

Airway & Urologic Endoscopy Products

Reprocessing Manual

GlideScope® verathon

GlideRite® verathon

CystoView™ verathon

Airway & Urologic Endoscopy Products

Reprocessing Manual

Effective: 22 September 2026

Caution: Federal (United States) law restricts this device to sale by or on the order of a physician.

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CE

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Not all Verathon Inc. products shown or described in this manual are available for commercial sale in all countries.

Information in this manual may change at any time without notice. For the most up-to-date information, see the documentation available at verathon.com/service-and-support.

Quick Start

Airway Products

AVL Video Batons



Overview 9
Preparing for Cleaning.....10
Cleaning (Using a Liquid) 12
Cleaning (Using Wipes).....15
Disinfecting (Using Wipes) 18

Video Baton 2.0



Overview 20
Preparing for Cleaning.....22
Cleaning (Using a Liquid) 24
Cleaning (Using Wipes).....28
Disinfecting (Using Wipes) 30

Video Baton QC



Overview 33
Preparing for Cleaning.....34
Cleaning (Using a Liquid) 36
Cleaning (Using Wipes).....39
Disinfecting (Using Wipes) 42

ClearFit Video Baton



Overview 44
Preparing for Cleaning.....46
Cleaning (Using a Liquid) 48
Cleaning (Using Wipes).....51

Titanium Reusable Video Laryngoscopes



Overview 54
Preparing for Cleaning.....56
Cleaning (Using a Liquid) 58
Cleaning (Using Wipes).....64
Disinfecting (Using a Liquid).....68
Disinfecting (Using Wipes) 74
Sterilizing.....77

GlideScope Core Monitors, Workstation, and Power Adapter



Overview 79
Cleaning a Monitor 81
Cleaning the Workstation and Power Adapter.....82

GlideScope Go 2 Monitor, Charging Cradle, and Power Adapters



Overview 83
Preparing for Cleaning.....85
Cleaning (Using a Liquid) 86
Cleaning (Using Wipes).....88
Cleaning the Charging Cradle 91
Cleaning the Power Adapters.....92

GlideScope Go Monitor and Charging Cradle



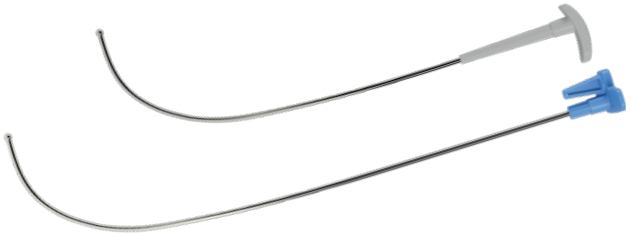
Overview 93
Preparing for Cleaning 94
Cleaning (Using a Liquid) 96
Cleaning (Using Wipes) 100
Disinfecting (Using a Liquid) 104
Disinfecting (Using Wipes) 107
Cleaning the Charging Cradle 109

GlideScope Video Monitor, Premium Cart, Mobile Stand, and Power Adapter



Overview 110
Cleaning the Monitor 112
Cleaning the Power Adapter 113
Cleaning the GlideScope Premium Cart or Mobile Stand 114

GlideRite Reusable Stylets



Overview 115
Cleaning (Using a Liquid) 118
Cleaning (Using Wipes) 123
Disinfecting 126
Sterilizing 132

Urologic Endoscopy Products

CystoView Monitor and Power Adapter



Overview 137
Cleaning the Monitor 139
Cleaning the Power Adapter 140

Common Components

Verathon Essential Workstation



Overview 143
Cleaning the Workstation 145

QuickConnect Cables



Overview 147
Preparing for Cleaning..... 149
Cleaning (Using a Liquid) 150
Cleaning (Using Wipes)..... 154
Disinfecting (Using a Liquid)..... 158
Disinfecting (Using Wipes) 162

Video Cables and Smart Cables



Overview 165
Preparing for Cleaning..... 167
Cleaning (Using a Liquid) 168
Cleaning (Using Wipes)..... 178
Disinfecting (Using a Liquid)..... 184
Disinfecting (Using Wipes) 192
Sterilizing..... 197

Note: The links in the Quick Start section lead to individual procedures. For links to chapters and sections of the manual, refer to the Table of Contents.

Table of Contents

IMPORTANT INFORMATION **1**

Introductory Information 1

Notice to All Users of This Manual 1

Warnings & Cautions 2

INTRODUCTION **5**

CLEANING, DISINFECTION, & STERILIZATION **6**

AIRWAY PRODUCTS *7*

AVL Video Batons 9

Procedure 1. Preparing AVL Video Batons for Cleaning *10*

Procedure 2. Cleaning the AVL Video Baton *12*

Procedure 3. Disinfecting the AVL Video Baton (Optional) *17*

Video Baton 2.0 20

Procedure 1. Preparing the Video Baton 2.0 for Cleaning *22*

Procedure 2. Cleaning the Video Baton 2.0 ..... *24*

Procedure 3. Disinfecting the Video Baton 2.0 (Optional) *30*

Video Baton QC 33

Procedure 1. Preparing The Video Baton QC for Cleaning *34*

Procedure 2. Cleaning the Video Baton QC *36*

Procedure 3. Disinfecting the Video Baton QC (Optional) *41*

ClearFit Video Baton 44

Procedure 1. Preparing the ClearFit Video Baton for Cleaning *46*

Procedure 2. Cleaning the ClearFit Video Baton *48*

Titanium Reusable Video Laryngoscopes 54

Procedure 1. Preparing a Titanium Reusable Video Laryngoscope for Cleaning *56*

Procedure 2. Cleaning the Titanium Reusable Video Laryngoscope *58*

Procedure 3. Disinfecting the Titanium Reusable Video Laryngoscope *67*

Procedure 4. Sterilizing the Titanium Reusable Video Laryngoscope (Optional) *76*

GlideScope Core Monitors, Workstation, and Power Adapter 79
Procedure 1. Cleaning a GlideScope Core Monitor 81
Procedure 2. Cleaning the GlideScope Core Workstation and Power Adapter 82
GlideScope Go 2 Monitor, Charging Cradle, and Power Adapters 83
Procedure 1. Preparing the GlideScope Go 2 Monitor for Cleaning 85
Procedure 2. Cleaning the GlideScope Go 2 Monitor 86
Procedure 3. Cleaning the GlideScope Go 2 Charging Cradle 91
Procedure 4. Cleaning the GlideScope Go 2 Power Adapters 92
GlideScope Go Monitor and Charging Cradle 93
Procedure 1. Preparing the GlideScope Go Monitor for Cleaning 94
Procedure 2. Cleaning the GlideScope Go Monitor 95
Procedure 3. Disinfecting the GlideScope Go Monitor (Optional) 103
Procedure 4. Cleaning the GlideScope Go Charging Cradle 109
GlideScope Video Monitor, Premium Cart, Mobile Stand, and Power Adapter 110
Procedure 1. Cleaning the GlideScope Video Monitor 112
Procedure 2. Cleaning the GlideScope Video Monitor Power Adapter 113
Procedure 3. Cleaning the GlideScope Video Monitor Premium Cart or Mobile Stand 114
GlideRite Reusable Stylets 115
Procedure 1. Cleaning the GlideRite Reusable Stylet 117
Procedure 2. Disinfecting the GlideRite Reusable Stylet 125
Procedure 3. Sterilizing the GlideRite Reusable Stylet (Optional) 131
UROLOGIC ENDOSCOPY PRODUCTS 135
CystoView Monitor and Power Adapter 137
Procedure 1. Cleaning the CystoView Monitor 139
Procedure 2. Cleaning the Power Adapter 140
COMMON COMPONENTS 141
Verathon Essential Workstation 143
Procedure 1. Cleaning the Verathon Essential Workstation 145

QuickConnect Cables 147
Procedure 1. Preparing a QuickConnect Cable for Cleaning 149
Procedure 2. Cleaning a QuickConnect Cable 150
Procedure 3. Disinfecting a QuickConnect Cable (Optional) 158
Video Cables and Smart Cables 165
Procedure 1. Preparing a Video Cable or Smart Cable for Cleaning 167
Procedure 2. Cleaning a Video Cable or Smart Cable 168
Procedure 3. Disinfecting a Video Cable or Smart Cable (Optional) 183
Procedure 4. Sterilizing a Video Cable or Smart Cable (Optional) 196
GLOSSARY 200

Important Information

Introductory Information

Cleaning and disinfection is an important part of using and maintaining reusable components. Before each use, ensure that all such components have been cleaned, disinfected, or sterilized according to the guidance provided in this manual. You should also examine the system periodically to make sure it is operating correctly. For more information, see the appropriate Operations & Maintenance Manual.

For definitions and additional information about cleaning, disinfection, and sterilization standards, refer to the Disinfection and Sterilization page of the United States Centers for Disease Control and Prevention (https://www.cdc.gov/infection-control/hcp/disinfection-and-sterilization/index.html).

The availability and regulatory compliance of the cleaning, disinfection, and sterilization products provided in this manual vary by region. Be sure to select products in accordance with your local laws and regulations.

Note: Use only the processes described in this manual to clean, disinfect, or sterilize Verathon products. Other methods may not be effective on those products or compatible with the materials in them.

Notice to All Users of This Manual

Verathon recommends that all users of the products in this manual do the following:

- Read the associated Operation & Maintenance Manual before using any equipment.
- Obtain instruction from a qualified individual.

Warnings & Cautions

Warnings indicate that injury, death, or other serious adverse reactions may result from use or misuse of the device. *Cautions* indicate that use or misuse of the device may cause a problem, such as a malfunction, failure, or damage to the product.

Warnings: Cleaning, Disinfection, & Sterilization



WARNING

Before every use, make sure that the device operates correctly and has no sign of damage. Do not use this product if the device appears to be damaged. Refer servicing to qualified personnel.

Always ensure that alternative airway management methods and equipment are readily available.

Report any suspected defects to Verathon Customer Care. For contact information, visit verathon.com/service-and-support.



WARNING

Do not reuse, reprocess, or resterilize single-use components. Reuse, reprocessing, or resterilization can contaminate the component or the system.



WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

Warnings: Product Safety



WARNING

To reduce the risk of electrical shock, before cleaning the monitor or workstation, turn off the monitor and disconnect the power supply. Unplug the power supply from its AC power source.



WARNING

Electric shock hazard. Do not immerse the power adapter in water. Instead, use a cloth dampened with isopropyl alcohol to clean the outside of the adapter.

Cautions



CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.



CAUTION

Do not allow system components to come into contact with liquids, other than those recommended in this manual. Exposure to liquids can damage the electronics or other internal parts of some components.



CAUTION

For recommendations on the handling and disposal of a reprocessing agent, refer to the manufacturer's instructions for the reprocessing agent.



CAUTION

The reusable components of Verathon systems are not shipped in sterile condition. Clean them, and disinfect or sterilize them if appropriate, before their first use. Failure to do so increases the risk of infection.

CAUTION

Do not use abrasive brushes, pads, or tools when cleaning cameras or screens. These items can scratch transparent plastic parts and permanently damage the device.

CAUTION

Do not use an ultrasonic device or automated washing equipment to clean a Verathon product, except when using Verathon-approved systems to clean products compatible with those systems. Using ultrasonic or automated washing equipment to clean any other Verathon product, or using automated cleaning systems not listed as compatible, could damage the product.

CAUTION

Do not expose any system component to temperatures above 60°C (140°F), and do not use autoclaves or other heat sterilization systems, except as described in this manual. Exposure to excess heat causes permanent device damage and voids the warranty.

CAUTION

Statements of compatibility, efficacy, or both for reprocessing products and methods listed in this manual apply only to the Verathon products listed. Compatibility and efficacy of these products and methods with third-party accessories has not been established.

CAUTION

Use only cleaners, disinfectants, and sterilants recommended by Verathon to reprocess equipment manufactured by Verathon. Use of other reprocessing products may cause damage to the equipment.

Introduction

This manual provides reprocessing (cleaning, disinfection, and sterilization) requirements and procedures for Verathon airway and urologic endoscopy products. It is updated as needed to reflect new and changed reprocessing information. For use and maintenance instructions for Verathon systems and devices, refer to the appropriate Operations & Maintenance Manual.

The current versions of all Verathon product manuals are available online at verathon.com/service-and-support.

Cleaning, Disinfection, & Sterilization

The reprocessing information in this manual is arranged by product line.

Note: This manual does not include single-use components. The cables used to connect such components to the listed video monitors are all covered in the sections QuickConnect Cables on page 147 and Video Cables and Smart Cables on page 165.

The section for each product provides the following information for the components of that product:

- Reprocessing requirements
- Material compatibility
- Specific cleaning, disinfection, and sterilization instructions (for products tested for efficacy)

Airway Products

AVL Video Batons

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 1. Reprocessing Requirements for AVL Video Batons

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Video baton	✓			

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:



AVL Video Baton 1-2



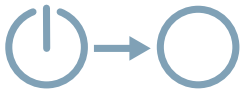
AVL Video Baton 3-4

Procedure 1. Preparing AVL Video Batons for Cleaning

IMPORTANT

The Stat is a single-use device. After use, it is a biohazard, and it should be removed from the video baton and disposed of in a manner consistent with local protocols.

1



Make sure **the monitor has been turned off.**

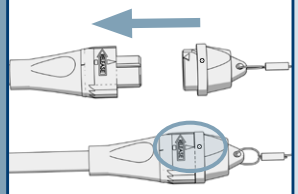
2



Disconnect the video cable.

Turn the connector ring in the direction of the release arrow, and then pull.

3



Place the protective cap over the connector on the video cable.

The arrow on the connector plug should line up with the dot on the cap.

4

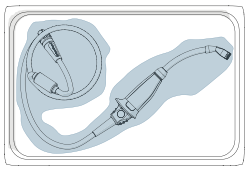


Remove the Stat.

While holding the Stat in one hand, press its collar with your thumb and forefinger.

With the other hand, grasp the handle of the video baton and pull firmly.

Dispose of the Stat according to your local protocols.

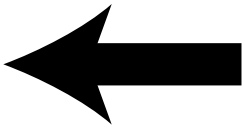
5		**Apply a pre-cleaner.** (Optional) Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult. For information on compatible pre-cleaners, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.
6		**Clean the component**. Continue to Cleaning the AVL Video Baton on page 12.

Procedure 2. Cleaning the AVL Video Baton

When used as intended, the video baton is a nonsterile, reusable device, which is protected from contact with mucous membranes and non-intact skin by the single-use Stat.

Cleaning the AVL Video Baton (Using a Liquid)

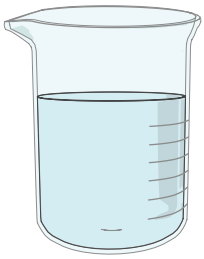
!



You must prepare the component before you clean it.

For instructions, see Preparing AVL Video Batons for Cleaning on page 10.

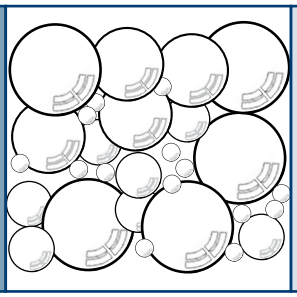
1



Prepare the cleaning solution.

For concentration, temperature, and other preparation instructions, see Table 2 on page 14.

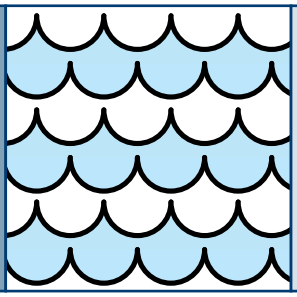
2



Wash the component in the cleaning solution.

For exposure time, temperature, and other washing instructions, see Table 2 on page 14. (This information varies depending on which cleaning solution you use.)

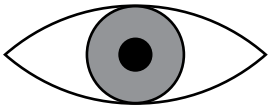
3



Rinse the component to remove the cleaning solution.

For rinse time, temperature, and other rinsing instructions, see Table 2 on page 14. (This information varies depending on which cleaning solution you use.)

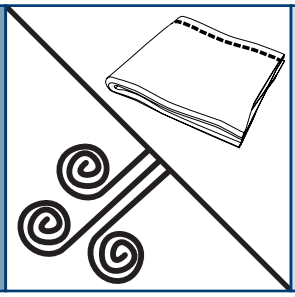
4



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 2.

5

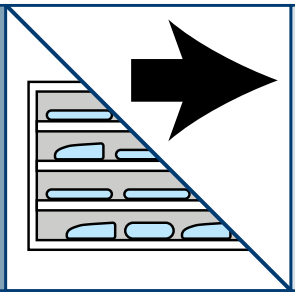


Dry the component.

Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following:

- Hospital-grade clean air
- A clean, lint-free cloth

6



Disinfect the component (optional).

To disinfect, continue to Disinfecting the AVL Video Baton (Optional) on page 17.

Otherwise, store the component in a clean environment.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Reference Information (Liquids)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

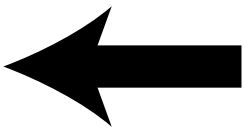
Table 2. Cleaning Solutions for AVL Video Batons

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
STERIS Prolystica 2x Concentrate Enzymatic Presoak and Cleaner	Cleaning	2000	**Exposure:** Prepare the cleaning solution at a temperature of 35˚C±5˚C and a concentration of 1–4 mL per L (⅛–½ U.S. fluid ounces per U.S. gallon). Soak the component for at least 3 minutes. Before removing the component from the solution, brush all surfaces using a soft-bristled brush, paying special attention to hard-to-reach areas. Use a cotton swab for the camera window to avoid damaging the window. **Rinse** the component for 3 minutes under warm running water. If the component soaks for longer than 3 minutes, increase the rinse time in proportion to the soak time. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Cleaning the AVL Video Baton (Using Wipes)

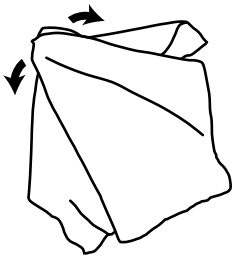
!



You must prepare the component before you clean it.

For instructions, see Preparing AVL Video Batons for Cleaning on page 10.

1

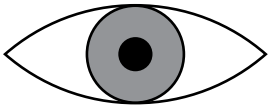


Wipe down the component.

Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.

For specific instructions, see Table 3 on page 16. (This information varies depending on which wipes you use.)

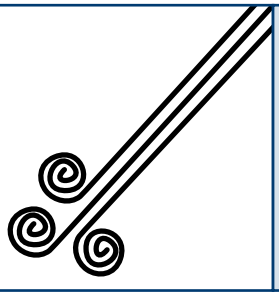
2



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 1.

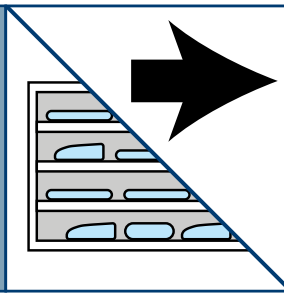
3



Dry the component.

Allow it to air dry thoroughly.

4



Disinfect the component (optional).

To disinfect, continue to Disinfecting the AVL Video Baton (Optional) on page 17.

Otherwise, store the component in a clean environment.

Reference Information (Wipes)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 3. Cleaning Wipes for AVL Video Batons

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Wipes	Cleaning	2000	Clean the component according to the chemical manufacturer's instructions. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 3. Disinfecting the AVL Video Baton (Optional)

WARNING

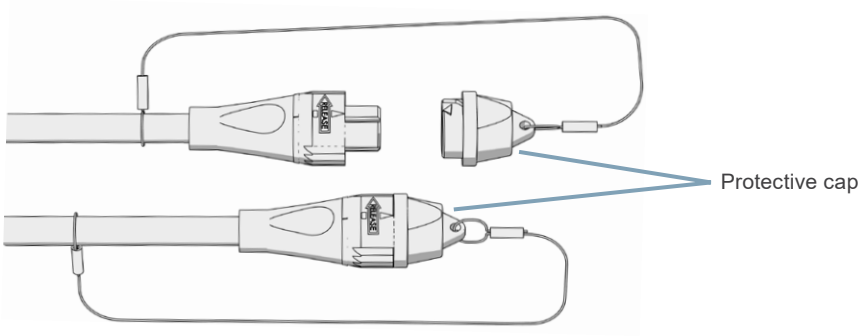
Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

Please read the Warnings & Cautions section before performing the following task.

Before You Begin

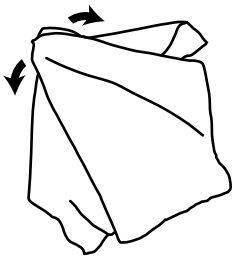
Before disinfecting the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the previous section, Cleaning the AVL Video Baton.
- Make sure the protective cap on the connector is secure. The arrow on the connector should line up with the dot on the protective cap.



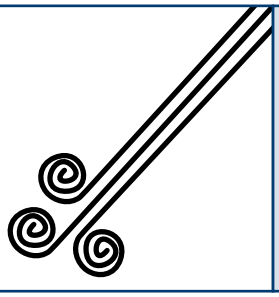
Disinfecting the AVL Video Baton (Using Wipes)

1



Wipe down the component.
Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.
For specific instructions, see Table 4 on page 19. (This information varies depending on which wipes you use.)

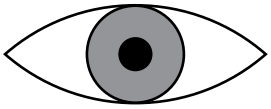
2



Dry the component.

Allow it to air dry thoroughly.

3

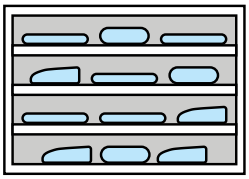


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

4



Store the component in a clean environment.

WARNING

Before every use, make sure that the device operates correctly and has no sign of damage. Do not use this product if the device appears to be damaged. Refer servicing to qualified personnel.

Always ensure that alternative airway management methods and equipment are readily available.

Report any suspected defects to Verathon Customer Care. For contact information, visit verathon.com/service-and-support.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 4. Disinfection Wipes for AVL Video Batons

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Wipes	Low	2000	**Exposure:** Using fresh wipes, wet all surfaces of the component and allow it to remain wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Video Baton 2.0

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 5. Reprocessing Requirements for the Video Baton 2.0

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Video baton	✓			

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following component:



Video Baton 2.0 Large
(3-4)



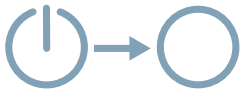
Notes

Procedure 1. Preparing the Video Baton 2.0 for Cleaning

IMPORTANT

The Stat is a single-use device. After use, it is a biohazard, and it should be removed from the video baton and disposed of in a manner consistent with local protocols.

1



Make sure **the monitor has been turned off.**

2



Disconnect the video cable, if any.

- GlideScope Video Monitor—Turn the connector ring in the direction of the release arrow, and then pull.
- Core monitors—Hold the connector in one hand, support the monitor with the other, and pull.

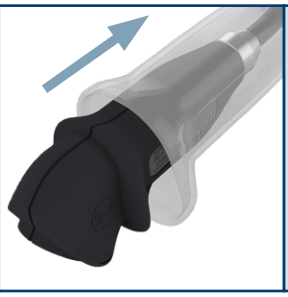
3



Disconnect the video baton.

Grasp the baton and Stat in one hand and the attached HDMI connector in the other. Pull firmly to separate the two devices.

4

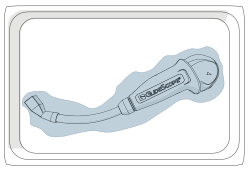
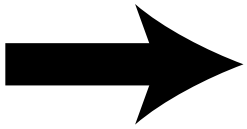


Remove the Stat.

While holding the Stat in one hand, press its collar with your thumb and forefinger.

With the other hand, grasp the handle of the video baton and pull firmly.

Dispose of the Stat according to your local protocols.

5		**Apply a pre-cleaner.** (Optional) Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult. For information on compatible pre-cleaners, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.
6		**Clean the component**. Continue to Cleaning the Video Baton 2.0 on page 24.

Procedure 2. Cleaning the Video Baton 2.0

WARNING

Before every use, make sure that the device operates correctly and has no sign of damage. Do not use this product if the device appears to be damaged. Refer servicing to qualified personnel.

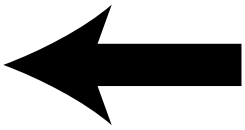
Always ensure that alternative airway management methods and equipment are readily available.

Report any suspected defects to Verathon Customer Care. For contact information, visit verathon.com/service-and-support.

When used as intended, the video baton is a nonsterile, reusable device, which is protected from contact with mucous membranes and non-intact skin by the single-use Stat.

Cleaning the Video Baton 2.0 (Using a Liquid)

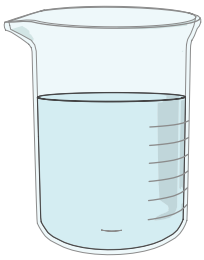
!



You must prepare the component before you clean it.

For instructions, see Preparing the Video Baton 2.0 for Cleaning on page 22.

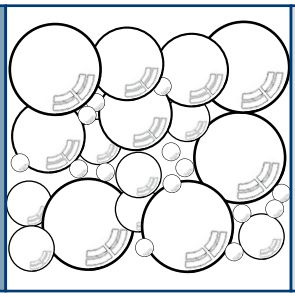
1



Prepare the cleaning solution.

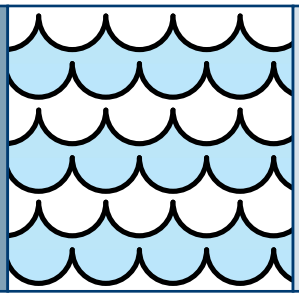
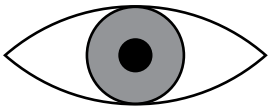
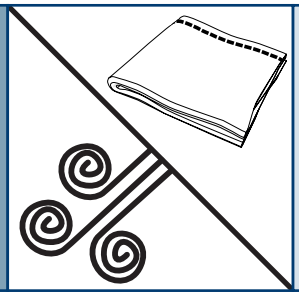
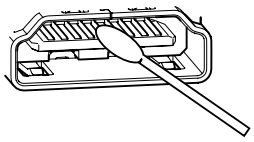
For concentration, temperature, and other preparation instructions, see Table 6 on page 27.

2

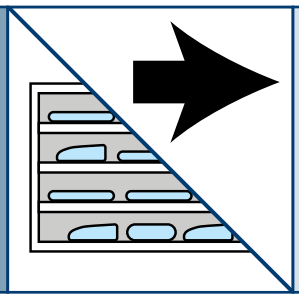


Wash the component in the cleaning solution.

For exposure time, temperature, and other washing instructions, see Table 6 on page 27. (This information varies depending on which cleaning solution you use.)

3		**Rinse the component** to remove the cleaning solution. For rinse time, temperature, and other rinsing instructions, see Table 6 on page 27. (This information varies depending on which cleaning solution you use.)
4		**Examine the component** to make sure all visible contamination has been removed. If any visible contamination remains, return to Step 2.
5		**Dry the component**. Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following: • Hospital-grade clean air • A clean, lint-free cloth
6		**Clean the HDMI connector.** Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.

7



Disinfect the component (optional).

To disinfect, continue to Disinfecting the Video Baton 2.0 (Optional) on page 30.

Otherwise, store the component in a clean environment.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.



Reference Information (Liquids)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

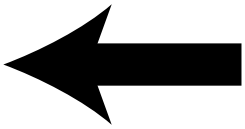
Table 6. Cleaning Solutions for the Video Baton 2.0

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
STERIS Prolystica 2x Concentrate Enzymatic Presoak and Cleaner	Cleaning	2000	**Exposure:** Prepare the cleaning solution at a temperature of 35˚C±5˚C and a concentration of 1–4 mL per L (⅛–½ U.S. fluid ounces per U.S. gallon). Soak the component for at least 3 minutes. Before removing the component from the solution, brush all surfaces using a soft-bristled brush, paying special attention to hard-to-reach areas. Use a cotton swab for the camera window to avoid damaging the window. **Rinse** the component for 3 minutes under warm running water. If the component soaks for longer than 3 minutes, increase the rinse time in proportion to the soak time. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Cleaning the Video Baton 2.0 (Using Wipes)

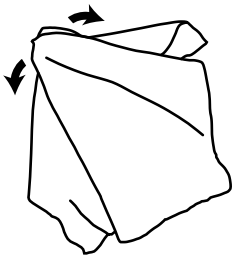
!



You must prepare the component before you clean it.

For instructions, see Preparing the Video Baton 2.0 for Cleaning on page 22.

1

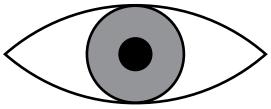


Wipe down the component.

Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.

For specific instructions, see Table 7 on page 29. (This information varies depending on which wipes you use.)

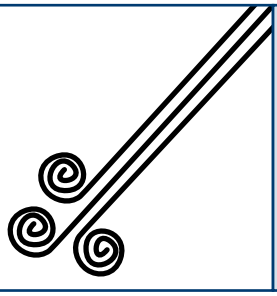
2



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 1.

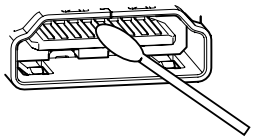
3



Dry the component.

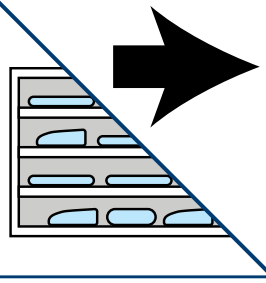
Allow it to air dry thoroughly.

4



Clean the HDMI connector.
Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.

5



Disinfect the component (optional).

To disinfect, continue to Disinfecting the Video Baton 2.0 (Optional) on page 30.

Otherwise, store the component in a clean environment.

Reference Information (Wipes)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 7. Cleaning Wipes for the Video Baton 2.0

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Wipes	Cleaning	2000	Clean the component according to the chemical manufacturer's instructions. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 3. Disinfecting the Video Baton 2.0 (Optional)

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

Please read the Warnings & Cautions section before performing the following task.

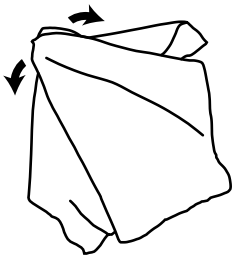
Before You Begin

Before disinfecting the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the previous section, Cleaning the Video Baton 2.0.
- Do **not** attempt to place protective caps over the connectors on the Video Baton 2.0. This component is designed to be immersed completely without the use of any protective caps, and Verathon does not provide caps for them.

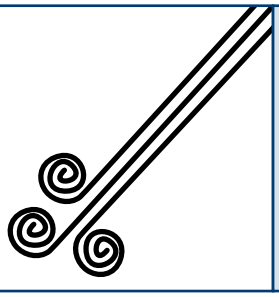
Disinfecting the Video Baton 2.0 (Using Wipes)

1

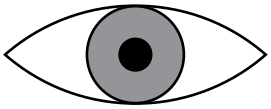
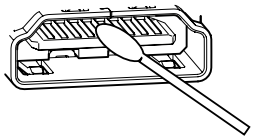
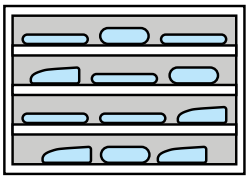


Wipe down the component.
Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.
For specific instructions, see Table 8 on page 32. (This information varies depending on which wipes you use.)

2



Dry the component.
Allow it to air dry thoroughly.

3		**Examine the component** to make sure it is not damaged. Metal discoloration and minor scratches are part of normal wear and tear. If you see any actual damage, do not use the component. Contact Verathon Customer Care.
4		**Clean the HDMI connector.** Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.
5		**Store the component** in a clean environment.

WARNING

Before every use, make sure that the device operates correctly and has no sign of damage. Do not use this product if the device appears to be damaged. Refer servicing to qualified personnel.

Always ensure that alternative airway management methods and equipment are readily available.

Report any suspected defects to Verathon Customer Care. For contact information, visit verathon.com/service-and-support.



IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 8. Disinfection Wipes for the Video Baton 2.0

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Wipes	Low	2000	**Exposure:** Using fresh wipes, wet all surfaces of the component and allow it to remain wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.

Video Baton QC

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 9. Reprocessing Requirements for the Video Baton QC

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Video baton QC Large	✓			

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following component:



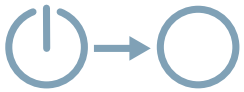
Video Baton QC Large

Procedure 1. Preparing The Video Baton QC for Cleaning

IMPORTANT

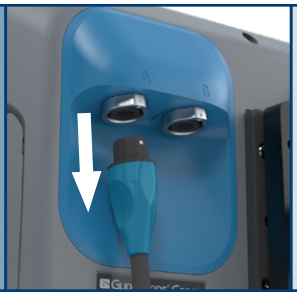
The Stat is a single-use device. After use, it is a biohazard, and it should be removed from the video baton and disposed of in a manner consistent with local protocols.

1



Make sure **the monitor has been turned off.**

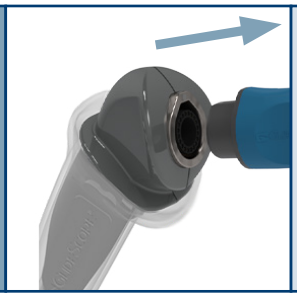
2



Disconnect the video cable, if any.

Hold the connector in one hand, support the monitor with the other, and pull.

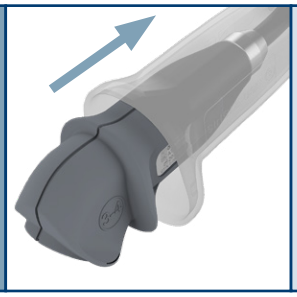
3



Disconnect the video baton.

Grasp the baton and Stat in one hand and the attached QuickConnect cable connector in the other. Pull firmly to separate the two devices.

4

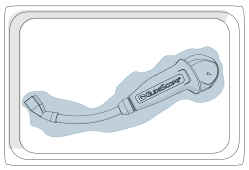
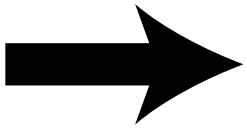


Remove the Stat.

While holding the Stat in one hand, press its collar with your thumb and forefinger.

With the other hand, grasp the handle of the video baton and pull firmly.

Dispose of the Stat according to your local protocols.

5		**Apply a pre-cleaner.** (Optional) Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult. For information on compatible pre-cleaners, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.
6		**Clean the component**. Continue to Cleaning the Video Baton QC on page 36.

Procedure 2. Cleaning the Video Baton QC

WARNING

Before every use, make sure that the device operates correctly and has no sign of damage. Do not use this product if the device appears to be damaged. Refer servicing to qualified personnel.

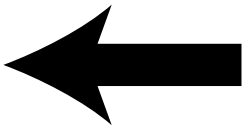
Always ensure that alternative airway management methods and equipment are readily available.

Report any suspected defects to Verathon Customer Care. For contact information, visit verathon.com/service-and-support.

When used as intended, the video baton is a nonsterile, reusable device, which is protected from contact with mucous membranes and non-intact skin by the single-use Stat.

Cleaning the Video Baton QC (Using a Liquid)

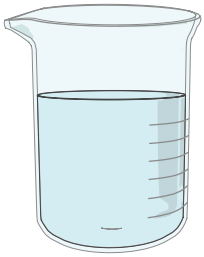
!



You must prepare the component before you clean it.

For instructions, see Preparing The Video Baton QC for Cleaning on page 34.

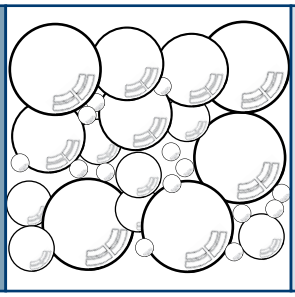
1



Prepare the cleaning solution.

For concentration, temperature, and other preparation instructions, see Table 10 on page 38.

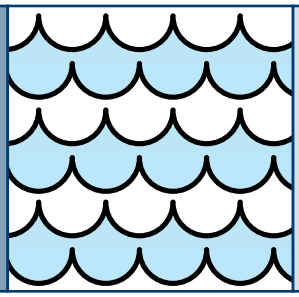
2



Wash the component in the cleaning solution.

For exposure time, temperature, and other washing instructions, see Table 10 on page 38. (This information varies depending on which cleaning solution you use.)

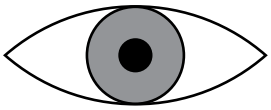
3



Rinse the component to remove the cleaning solution.

For rinse time, temperature, and other rinsing instructions, see Table 10 on page 38. (This information varies depending on which cleaning solution you use.)

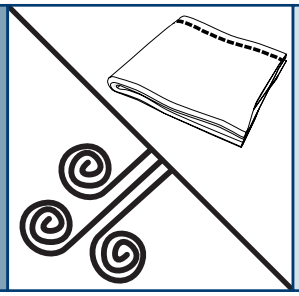
4



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 2.

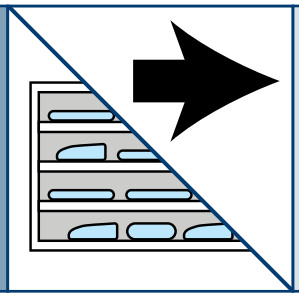
5



Dry the component.
Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following:

- Hospital-grade clean air
- A clean, lint-free cloth

6



Disinfect the component (optional).

To disinfect, continue to Disinfecting the Video Baton QC (Optional) on page 41.

Otherwise, store the component in a clean environment.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.



Reference Information (Liquids)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

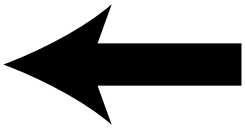
Table 10. Cleaning Solutions for the Video Baton QC

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
STERIS Prolystica 2x Concentrate Enzymatic Presoak and Cleaner	Cleaning	2000	**Exposure:** Prepare the cleaning solution at a temperature of 35˚C±5˚C and a concentration of 1–4 mL per L (⅛–½ U.S. fluid ounces per U.S. gallon). Soak the component for at least 3 minutes. Before removing the component from the solution, brush all surfaces using a soft-bristled brush, paying special attention to hard-to-reach areas. Use a cotton swab for the camera window to avoid damaging the window. **Rinse** the component for 3 minutes under warm running water. If the component soaks for longer than 3 minutes, increase the rinse time in proportion to the soak time. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Cleaning the Video Baton QC (Using Wipes)

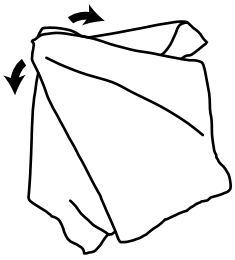
!



You must prepare the component before you clean it.

For instructions, see Preparing The Video Baton QC for Cleaning on page 34.

1

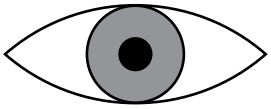


Wipe down the component.

Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.

For specific instructions, see Table 11 on page 40. (This information varies depending on which wipes you use.)

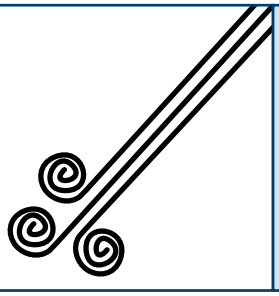
2



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 1.

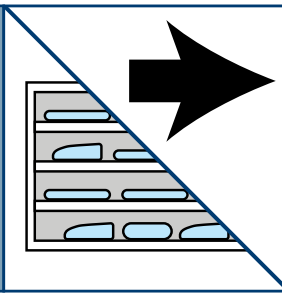
3



Dry the component.

Allow it to air dry thoroughly.

4



Disinfect the component (optional).

To disinfect, continue to Disinfecting the Video Baton QC (Optional) on page 41.

Otherwise, store the component in a clean environment.



Reference Information (Wipes)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 11. Cleaning Wipes for the Video Baton QC

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Wipes	Cleaning	2000	Clean the component according to the chemical manufacturer's instructions. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 3. Disinfecting the Video Baton QC (Optional)

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

Please read the Warnings & Cautions section before performing the following task.

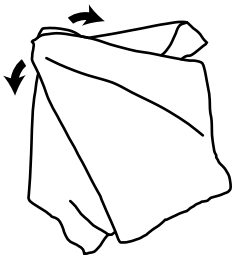
Before You Begin

Before disinfecting the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the previous section, Cleaning the Video Baton QC.
- Do **not** attempt to place protective caps over the connectors on the Video Baton QC. This component is designed to be immersed completely without the use of any protective caps, and Verathon does not provide caps for them.

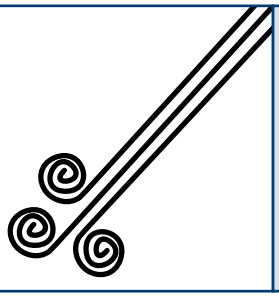
Disinfecting the Video Baton QC (Using Wipes)

1



Wipe down the component.
Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.
For specific instructions, see Table 12 on page 43. (This information varies depending on which wipes you use.)

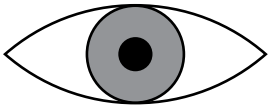
2



Dry the component.

Allow it to air dry thoroughly.

3

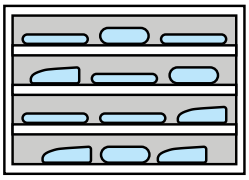


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

4



Store the component in a clean environment.

WARNING

Before every use, make sure that the device operates correctly and has no sign of damage. Do not use this product if the device appears to be damaged. Refer servicing to qualified personnel.

Always ensure that alternative airway management methods and equipment are readily available.

Report any suspected defects to Verathon Customer Care. For contact information, visit verathon.com/service-and-support.



Reference Information

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 12. Disinfection Wipes for the Video Baton QC

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Wipes	Low	2000	**Exposure:** Using fresh wipes, wet all surfaces of the component and allow it to remain wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.

ClearFit Video Baton

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 13. Reprocessing Requirements for the ClearFit Video Baton

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
ClearFit Video Baton	✓			

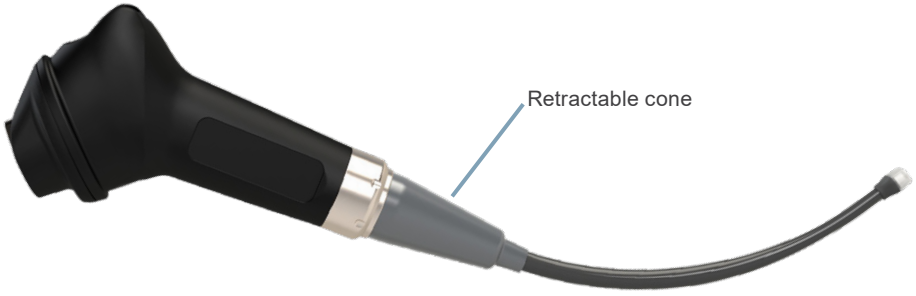
The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following component:



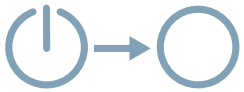
ClearFit Video Baton

Procedure 1. Preparing the ClearFit Video Baton for Cleaning

IMPORTANT

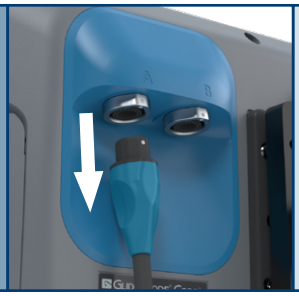
The cover is a single-use device. After use, it is a biohazard, and it should be removed from the video baton and disposed of in a manner consistent with local protocols.

1



Make sure **the monitor has been turned off.**

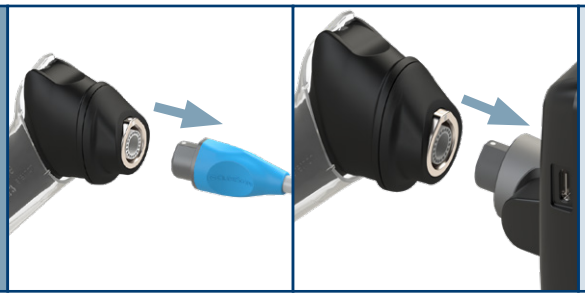
2



Disconnect the video cable, if any.

Hold the connector in one hand, support the monitor with the other, and pull.

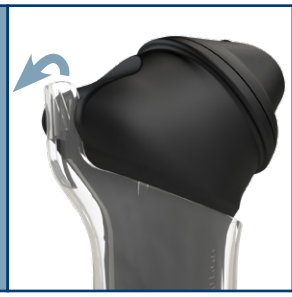
3



Disconnect the video baton.

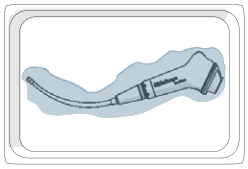
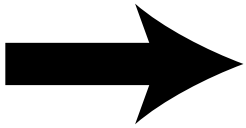
Grasp the baton and cover in one hand and the attached component in the other. Pull firmly to separate the two devices.

4



Unlock the cover from the video baton.

Use your thumb to press the locking tab outward until the baton pushes the cover away from the connector.

5		**Fully remove the cover from the video baton.** To help reduce cross-contamination, ensure the baton does not touch contaminated areas on the exterior of the cover, and avoid touching the connector surfaces. Dispose of the cover according to your local protocols.
6		**Apply a pre-cleaner.** (Optional) Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult. For information on compatible pre-cleaners, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.
7		**Clean the component**. Continue to Cleaning the ClearFit Video Baton on page 48.

Procedure 2. Cleaning the ClearFit Video Baton

WARNING

Before every use, make sure that the device operates correctly and has no sign of damage. Do not use this product if the device appears to be damaged. Refer servicing to qualified personnel.

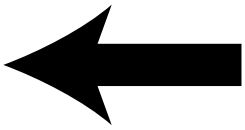
Always ensure that alternative airway management methods and equipment are readily available.

Report any suspected defects to Verathon Customer Care. For contact information, visit verathon.com/service-and-support.

When used as intended, the video baton is a nonsterile, reusable device, which is protected from contact with mucous membranes and non-intact skin by the single-use ClearFit cover.

Cleaning the ClearFit Video Baton (Using a Liquid)

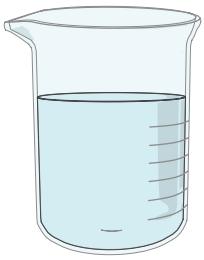
!



You must prepare the component before you clean it.

For instructions, see Preparing the ClearFit Video Baton for Cleaning on page 46.

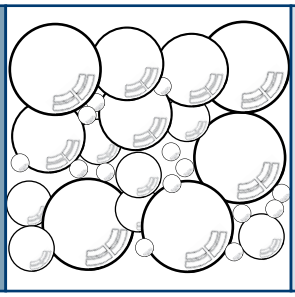
1



Prepare the cleaning solution.

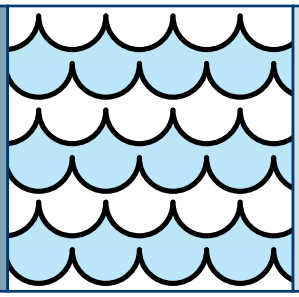
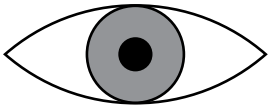
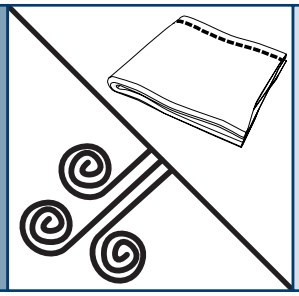
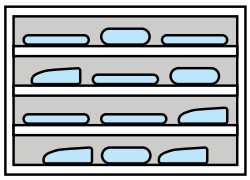
For concentration, temperature, and other preparation instructions, see Table 14 on page 50.

2



Wash the component in the cleaning solution.

For exposure time, temperature, and other washing instructions, see Table 14 on page 50. (This information varies depending on which cleaning solution you use.)

3		**Rinse the component** to remove the cleaning solution. For rinse time, temperature, and other rinsing instructions, see Table 14 on page 50. (This information varies depending on which cleaning solution you use.)
4		**Examine the component** to make sure all visible contamination has been removed. If any visible contamination remains, return to Step 2.
5		**Dry the component**. Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following: • Hospital-grade clean air • A clean, lint-free cloth
6		**Store the component** in a clean environment.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.



Reference Information (Liquids)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

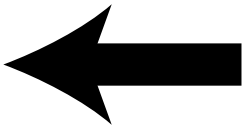
Table 14. Cleaning Solutions for the ClearFit Video Baton

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
STERIS Prolystica 2x Concentrate Enzymatic Presoak and Cleaner	Cleaning	2000	**Exposure:** Prepare the cleaning solution at a temperature of 28˚C–30˚C (82˚F–86˚F) and a concentration of 1–4 mL per L (⅛–½ U.S. fluid ounces per U.S. gallon). Soak the component for at least 3 minutes. Before removing the component from the solution, brush all surfaces using a soft-bristled brush, paying special attention to hard-to-reach areas. Use a cotton swab for the camera window to avoid damaging the window. **Rinse** the component for 3 minutes under warm running water. If the component soaks for longer than 3 minutes, increase the rinse time in proportion to the soak time. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Cleaning the ClearFit Video Baton (Using Wipes)

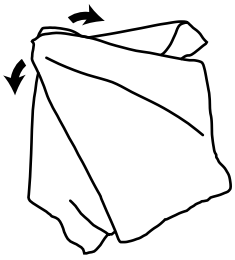
!



You must prepare the component before you clean it.

For instructions, see Preparing the ClearFit Video Baton for Cleaning on page 46.

1

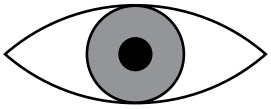


Wipe down the component.

Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.

For specific instructions, see Table 15 on page 52. (This information varies depending on which wipes you use.)

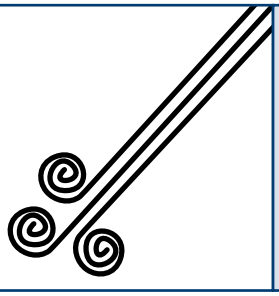
2



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 1.

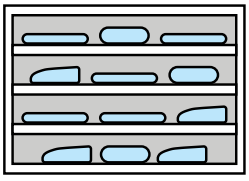
3



Dry the component.

Allow it to air dry thoroughly.

4



Store the component in a clean environment.



Reference Information (Wipes)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 15. Cleaning Wipes for the ClearFit Video Baton

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Wipes	Cleaning	2000	Clean the component according to the chemical manufacturer's instructions. Pay specific attention to contact points, mated surfaces, and hard-to-reach areas, and make sure the component remains wet for at least 3 minutes. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*



Notes

Titanium Reusable Video Laryngoscopes

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 16. Reprocessing Requirements for Titanium Reusable Video Laryngoscopes

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Video Laryngoscope			✓	

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

CAUTION

The reusable components of Verathon systems are not shipped in sterile condition. Clean them, and disinfect or sterilize them if appropriate, before their first use. Failure to do so increases the risk of infection.

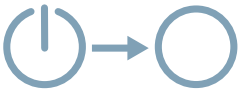
Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:

 LoPro T2	 LoPro T3	 LoPro T4
 MAC T3	 MAC T4	

Procedure 1. Preparing a Titanium Reusable Video Laryngoscope for Cleaning

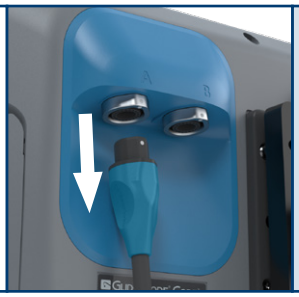
1



Make sure **the monitor has been turned off.**

2





Disconnect the video cable.

- GlideScope Video Monitor—Turn the connector ring in the direction of the release arrow, and then pull.
- Core monitors—Hold the connector in one hand, support the monitor with the other, and pull.

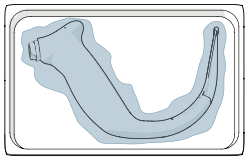
3



Disconnect the video laryngoscope.

Turn the connector ring in the direction of the release arrow, and then pull.

4

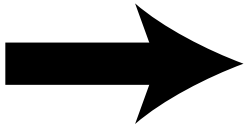


Apply a pre-cleaner. (Optional)

Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

For information on compatible pre-cleaners, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

5



Clean the component.

Continue to Cleaning the Titanium Reusable Video Laryngoscope on page 58.

Notes

Procedure 2. Cleaning the Titanium Reusable Video Laryngoscope

Please read the Warnings & Cautions section before performing the following task.

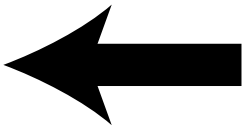
Note: Throughout this procedure, handle the component carefully to avoid recontamination.

Cleaning the Titanium Reusable Video Laryngoscope (Using a Liquid)

IMPORTANT

To reduce the risk of cytotoxic residue on a component after cleaning it with Metrex CaviCide, rinse the component thoroughly as described in this manual.

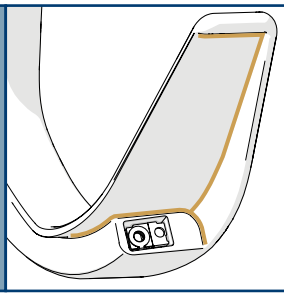
!



You must prepare the component before you clean it.

For instructions, see Preparing a Titanium Reusable Video Laryngoscope for Cleaning on page 56.

1

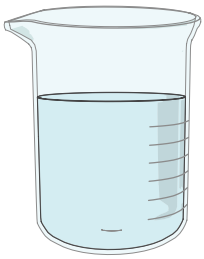


Rinse the component in clean tap water.

Use a cotton swab to remove any visible contamination from corners near the tip and the camera window, as shown in the figure at left. Scrub the rest of the component with a soft-bristled brush.

Use a long, soft-bristled brush or cotton swab to remove contamination from the connectors.

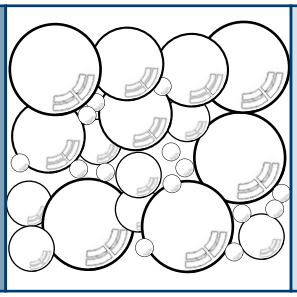
2



Prepare the cleaning solution.

For concentration, temperature, and other preparation instructions, see Table 17 on page 61.

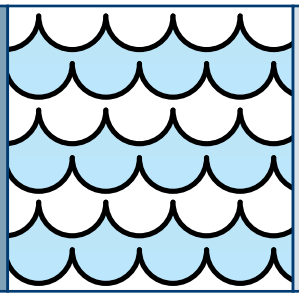
3



Wash the component in the cleaning solution. Scrub the corners near the tip and camera window as you did in Step 1.

For exposure time, temperature, and other washing instructions, see Table 17 on page 61. (This information varies depending on which cleaning solution you use.)

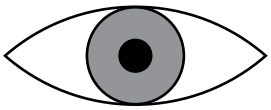
4



Rinse the component to remove the cleaning solution.

For rinse time, temperature, and other rinsing instructions, see Table 17 on page 61. (This information varies depending on which cleaning solution you use.)

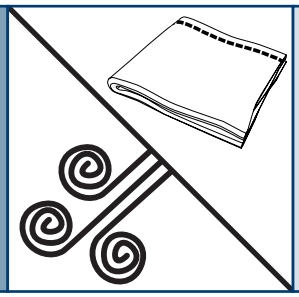
5



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 3.

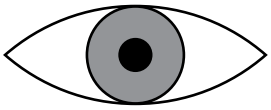
6



Dry the component.
Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following:

- Hospital-grade clean air
- A clean, lint-free cloth

7

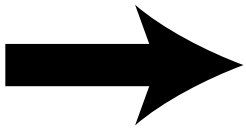


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

8



Disinfect or sterilize the component.

To disinfect, continue to Disinfecting the Titanium Reusable Video Laryngoscope on page 67.

Sterilization is optional. To sterilize, continue to Sterilizing the Titanium Reusable Video Laryngoscope (Optional) on page 76.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.



Reference Information (Liquids)

Verathon has validated the products in this table for both chemical compatibility and biological efficacy when cleaning the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 17. Cleaning Solutions for Titanium Reusable Video Laryngoscopes

PRODUCT	LEVEL	CYCLES*	CONDITIONS
Getinge Tec Wash III	Cleaning	3000	**Exposure:** Prepare the cleaning solution at a temperature of 20–40°C (68–104°F) and a concentration of 2–8 mL per L (0.25–1 U.S. fluid ounce per U.S. gallon). Soak the component for 3 minutes. Brush all surfaces of the component. **Rinse** the component for 3 minutes under running water. **Return to the previous procedure** and complete the remaining steps there.
STERIS Prolystica 2X Concentrate Enzymatic Presoak and Cleaner†	Cleaning	3000	**Exposure:** Prepare the cleaning solution at a temperature of 35˚C±5˚C and a concentration of 1–4 mL per L (0.125–0.5 U.S. fluid ounce per U.S. gallon). Soak the component for at least 3 minutes. Before removing the component from the solution, use a cotton swab to clean the camera window, and then brush all surfaces using a soft-bristled brush. When brushing the component, pay special attention to hard-to-reach areas. **Rinse** the component for 3 minutes under warm running water. If the component is soaked for longer than 3 minutes, increase the rinse time in proportion to the soak time. **Return to the previous procedure** and complete the remaining steps there.
Metrex CaviCide	Cleaning	3000	**Exposure:** Using the cleaning solution at a temperature of 33–40°C (91–104°F) and at full strength, spray all surfaces of the component until they are drenched. Allow the component to remain wet for 3 minutes. Brush all surfaces of the component. **Rinse** the component for 5 minutes under running water. While rinsing, use a soft-bristled brush and a syringe to flush and brush any hard-to-reach areas. **Return to the previous procedure** and complete the remaining steps there.

Table 17. Cleaning Solutions for Titanium Reusable Video Laryngoscopes (continued)

PRODUCT	LEVEL	CYCLES*	CONDITIONS
Metrex EmPower	Cleaning	3000	**Exposure:** Prepare the cleaning solution at a temperature of 19–29°C (66–84°F) and a concentration of 7.8 mL per L (1 U.S. fluid ounce per U.S. gallon). Soak the component for 3 minutes. Before removing the component from the solution, brush all surfaces and pay special attention to hard-to-reach areas. **Rinse** the component for 3 minutes under running water. **Return to the previous procedure** and complete the remaining steps there.
Ecolab Enzymatic Detergent	Cleaning	3000	**Exposure:** Prepare the cleaning solution at a temperature of 35˚C±5˚C and a concentration of 3.9–15.6 mL per L (0.5–2 U.S. fluid ounces per U.S. gallon). Soak the component for 1–5 minutes, brushing all of its surfaces except the camera window with a soft-bristled brush to remove any remaining contamination. Clean the camera window using a cotton swab to avoid scratches. **Rinse** the component for 3 minutes under running water, brushing all of its surfaces except the camera window with a soft-bristled brush. Wipe the camera window with a cotton swab to avoid scratches. **Return to the previous procedure** and complete the remaining steps there.
Ecolab OptiPro Multi-Enzymatic Low-Foam Detergent	Cleaning	3000	**Exposure:** Prepare the cleaning solution at a concentration of 3.9–15.6 mL per L (0.5–2 U.S. fluid ounces per U.S. gallon). Soak the component for 2–5 minutes. After soaking the component, brush all of its surfaces except the camera window with a soft-bristled brush to remove any visible contamination. Clean the camera window with a cotton swab. **Rinse** the component for 3 minutes under cold running water, brushing all of its surfaces except the camera window with a soft-bristled brush. Use a cotton swab to wipe the camera window. **Return to the previous procedure** and complete the remaining steps there.

Table 17. Cleaning Solutions for Titanium Reusable Video Laryngoscopes (continued)

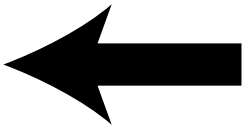
PRODUCT	LEVEL	CYCLES*	CONDITIONS
Pro-Line EcoZyme/ Southmedic EcoZyme Ultra	Cleaning	3000	**Exposure:** Prepare the cleaning solution at a temperature of 30–40°C (86–104°F) and a concentration of 7.8 mL per L (1 U.S. fluid ounce per U.S. gallon). Soak the component for 5 minutes. Before removing the component from the solution, brush all of its surfaces and pay special attention to hard-to-reach areas. Use a syringe to flush the connector. **Rinse** the component for 5 minutes under running water at 19–29°C (66–84°F). Use a syringe to flush the connector. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

† *After using STERIS Prolystica 2X Concentrate to clean a component that comes into direct contact with the patient, you must disinfect or sterilize the component as described in this manual. The disinfection or sterilization step neutralizes any remaining enzymes and prevents cytotoxicity.*

Cleaning the Titanium Reusable Video Laryngoscope (Using Wipes)

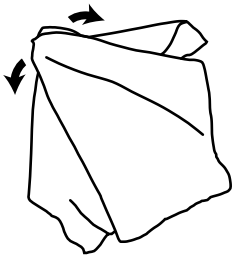
!



You must prepare the component before you clean it.

For instructions, see Preparing a Titanium Reusable Video Laryngoscope for Cleaning on page 56.

1

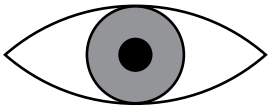


Wipe down the component.

Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.

For specific instructions, see Table 18 on page 66. (This information varies depending on which wipes you use.)

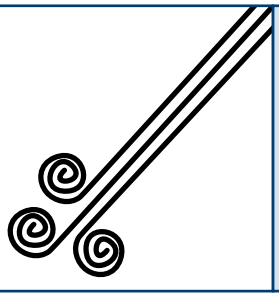
2



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 1.

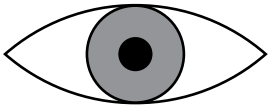
3



Dry the component.

Allow it to air dry thoroughly.

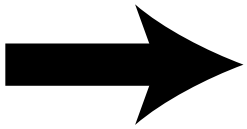
4



Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

5		**Disinfect or sterilize the component**. To disinfect, continue to Disinfecting the Titanium Reusable Video Laryngoscope on page 67. Sterilization is optional. To sterilize, continue to Sterilizing the Titanium Reusable Video Laryngoscope (Optional) on page 76.



CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.



Reference Information (Wipes)

Verathon has validated the products in this table for both chemical compatibility and biological efficacy when cleaning the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 18. Cleaning Wipes for Titanium Reusable Video Laryngoscopes

PRODUCT	LEVEL	CYCLES*	CONDITIONS
Tristel Trio Wipes System	Cleaning	3000	**Exposure:** Use 2 or more pre-cleaning towelettes to remove all visible contamination from the component. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 3. Disinfecting the Titanium Reusable Video Laryngoscope

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

Please read the Warnings & Cautions section before performing the following task.

Before each use, reusable video laryngoscopes must be high-level disinfected. Follow this procedure to disinfect a GlideScope Titanium reusable video laryngoscope.

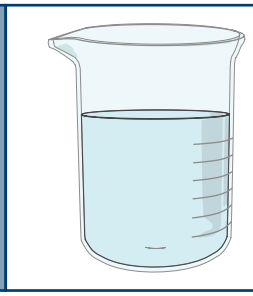
Before You Begin

Before disinfecting the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the previous section, Cleaning the Titanium Reusable Video Laryngoscope.
- Do **not** attempt to place protective caps over the connectors on GlideScope Titanium video laryngoscopes. These components are designed to be immersed completely without the use of any protective caps, and Verathon does not provide caps for them.

Disinfecting the Titanium Reusable Video Laryngoscope (Using a Liquid)

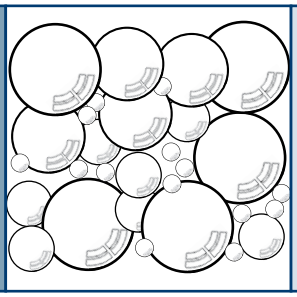
1



Prepare the disinfectant solution.

For concentration, temperature, and other preparation instructions, see Table 19 on page 71.

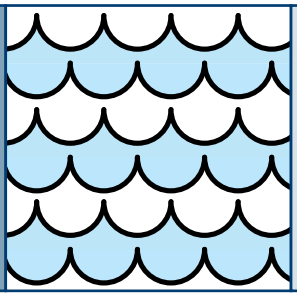
2



Expose the component to the disinfectant solution.

For exposure time, temperature, and other specific instructions, see Table 19 on page 71. (This information varies depending on which disinfectant you use.)

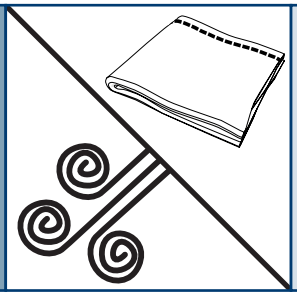
3



Rinse the component to remove the disinfectant solution.

For rinse time, temperature, and other rinsing instructions, see Table 19 on page 71. (This information varies depending on which disinfectant you use.)

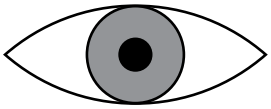
4



Dry the component.
Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following:

- Hospital-grade clean air
- A clean, lint-free cloth

5

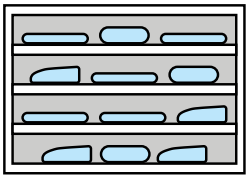


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

6



Store the component in a clean environment.

Reference Information (Liquids)

Verathon has validated the products in Table 19 for both chemical compatibility and biological efficacy when disinfecting the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

IMPORTANT

When applying high-level disinfection to a Titanium reusable video laryngoscope, you may use a Cantel (MEDIVATORS) CER Optima 1 & 2 AER, DSD-201 AER, or SSD-102 AER system, provided that you meet the following requirements:

- Use an approved high-level disinfectant from Table 19.
- Use a disinfectant that is compatible with the Cantel system. For more information about chemical compatibility, contact Cantel.
- Follow the processing conditions provided in Table 19, including temperature, exposure, and concentration, for the disinfectant you use.
- Do not expose the component to temperatures exceeding 60°C (140°F) on any cycle.

In the following table, the term *pure water* refers to water that is suitable for disinfection according to local regulations and your medical facility.

Table 19. Disinfection Solutions for Titanium Reusable Video Laryngoscopes

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
STERIS Resert XL HLD† Revital-Ox Resert XL HLD† Revital-Ox Resert HLD/ Chemosterilant†	High	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 8 minutes, ensuring that all air bubbles are removed from its surfaces. **Rinse:** Immerse the component once, for 1 minute, with agitation in pure water. Ensure that the connector is properly rinsed. **Return to the previous procedure** and complete the remaining steps there.
ASP CIDEX OPA Disinfectant	High	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength. **Rinse**: Immerse the component in pure water 3 times, for 1 minute each time, with agitation. **Return to the previous procedure** and complete the remaining steps there.
ASP CIDEX PLUS	High	3000	**Exposure:** Soak the component for 20 minutes at 25°C (77°F), ensuring that all air bubbles are removed from its surfaces. **Rinse** the component in pure water at 33–40°C (91–104°F). Immerse it 3 times, for 3 minutes each time, while agitating, flushing, and brushing with a sterile, soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.
Metrex MetriCide Plus 30	High	3000	**Exposure:** Soak the component for 20 minutes at 25°C (77°F), ensuring that all air bubbles are removed from its surfaces. **Rinse** the component in pure water at 33–40°C (91–104°F). Immerse it 3 times, for 3 minutes each time, while agitating, flushing, and brushing with a sterile, soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.

Table 19. Disinfection Solutions for Titanium Reusable Video Laryngoscopes (continued)

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
Metrex MetriCide OPA Plus	High	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from its surfaces. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. **Return to the previous procedure** and complete the remaining steps there.
Cantel (MEDIVATORS) Rapicide OPA/28	High	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from its surfaces. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. **Return to the previous procedure** and complete the remaining steps there.
Anios OPASTER'ANIOS/ Farmec OPASTER	High	3000 (except LoPro T2)	**Exposure:** Soak the component at room temperature for 30 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Ensure that any exposed connectors are rinsed properly. **Return to the previous procedure** and complete the remaining steps there.
Metrex MetriCide 28	High	3000	**Exposure:** Soak the component for 20 minutes at 25°C (77°F), ensuring that all air bubbles are removed from its surfaces. **Rinse** the component in pure water at 33–40°C (91–104°F). Immerse it 3 times, for 3 minutes each time, while agitating, flushing, and brushing with a sterile, soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.

Table 19. Disinfection Solutions for Titanium Reusable Video Laryngoscopes (continued)

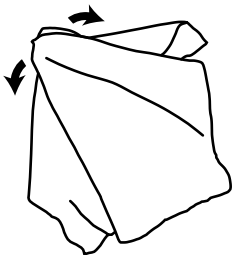
PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
ASP CIDEX Activated Dialdehyde Solution (ADS)	High	1000	**Exposure:** Soak the component for 45 minutes at 25°C (77°F), ensuring that all air bubbles are removed from its surfaces. **Rinse** the component in pure water at 33–40°C (91–104°F). Immerse it 3 times, for 3 minutes each time, while agitating, flushing, and brushing with a sterile, soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.
Cantel (MEDIVATORS) Rapicide PA 30°C	High	100	**Concentration:** 850±100 parts per million **Exposure:** Process the component for 5 minutes at 30°C (86°F) in a Cantel Advantage Plus or DSD Edge AER system with the following configuration: • Hookup: 2-8-002HAN Rev. B • Parameter: 1-24-010 C DISF **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

† *This chemical may cause discoloration of metal components, but the discoloration does not affect system efficacy or functionality.*

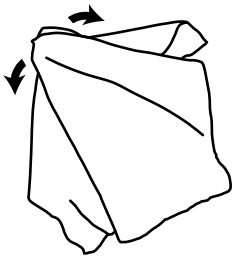
Disinfecting the Titanium Reusable Video Laryngoscope (Using Wipes)

1



Wipe down the component.
Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.
For specific instructions, see Table 20 on page 75. (This information varies depending on which wipes you use.)

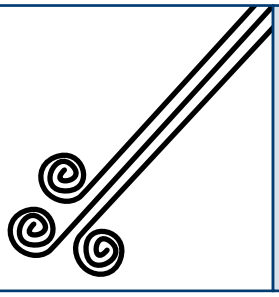
2



Rinse the component to remove any disinfectant residue, if necessary.

To determine whether rinsing is required with the wipes you use, see Table 20 on page 75.

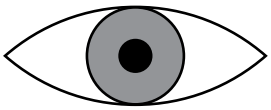
3



Dry the component.

Allow it to air dry thoroughly.

4

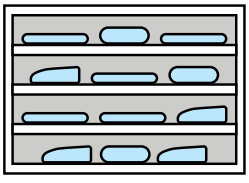


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

5



Store the component in a clean environment.

Reference Information (Wipes)

Verathon has validated the products in Table 20 for both chemical compatibility and biological efficacy when disinfecting the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 20. Disinfection Wipes for Titanium Reusable Video Laryngoscopes

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
Tristel Trio Wipes System	High	3000	**Exposure:** Apply 2 pumps of the activator foam to a sporocidal towelette, and then knead the foam into the towelette for 15 seconds. Wet all surfaces of the component and allow it to remain wet for 30 seconds. **Rinse:** Use a rinse towelette to wipe all surfaces of the component. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 4. Sterilizing the Titanium Reusable Video Laryngoscope (Optional)

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

CAUTION

Do not expose any system component to temperatures above 60°C (140°F), and do not use autoclaves or other heat sterilization systems, except as described in this manual. Exposure to excess heat causes permanent device damage and voids the warranty.

Please read the Warnings & Cautions section before performing the following tasks.

Sterilization of the Titanium reusable video laryngoscope is optional. However, your medical care facility or provider may require you to sterilize these components before using them. Follow this procedure to sterilize a GlideScope Titanium reusable video laryngoscope.

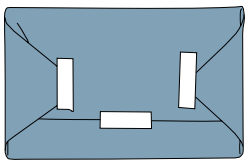
Before You Begin

Before sterilizing the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the earlier section, Cleaning the Titanium Reusable Video Laryngoscope.
- Inspect the component after cleaning, as specified in the section Cleaning the Titanium Reusable Video Laryngoscope. If it is damaged beyond the level of normal wear, do not use it again. Instead, contact Verathon Customer Care.
- Do **not** attempt to place protective caps over the connectors on GlideScope Titanium video laryngoscopes. These components are designed to be sterilized without the use of any protective caps, and Verathon does not provide caps for them.

Sterilizing the Titanium Reusable Video Laryngoscope

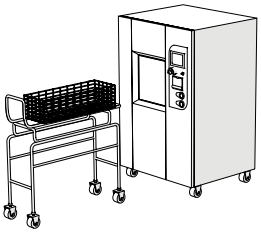
1



Package the component in a pouch, wrap, or other enclosure, if appropriate.

For the appropriate type of package for your sterilization system, see the manufacturer's instructions and Table 21 on page 78.

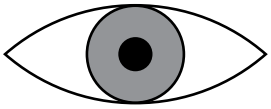
2



Sterilize the component.

For compatible cycle settings and other specific information, see Table 21 on page 78. For additional information, see the manufacturer's instructions for the sterilization system.

3

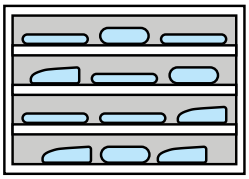


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

4



Store the component in an environment that is suitable for sterile equipment.

Verathon has validated the products in this table for both chemical compatibility and biological efficacy when sterilizing the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 21. Sterilization Products for Titanium Reusable Video Laryngoscopes

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
STERIS V-PRO systems with Vaprox HC	Sterilization	125	Insert the component into a Tyvek pouch, and then use the non-lumen cycle in any STERIS Amsco V-PRO low-temperature sterilization system. **Return to the previous procedure** and complete the remaining steps there.
ASP Hydrogen Peroxide Gas Plasma	Sterilization	300	Insert the component into a Tyvek pouch, and then sterilize it in one of the following processors: STERRAD 100S (in U.S.) STERRAD 100S short cycle (outside U.S.) STERRAD NX standard cycle STERRAD 100NX standard cycle STERRAD 50 STERRAD 200 short cycle **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

GlideScope Core Monitors, Workstation, and Power Adapter

Please read the Warnings & Cautions section before performing the tasks in this section.

Cleaning a GlideScope Core monitor is an important part of using and maintaining it. Prior to each use, ensure that the monitor has been cleaned according to the guidance provided in Table 22.

The availability and regulatory compliance of the cleaning products provided in this manual vary by region; ensure that you select products in accordance with your local laws and regulations.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Table 22. Reprocessing Requirements for GlideScope Core Monitors

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Monitor	✓			

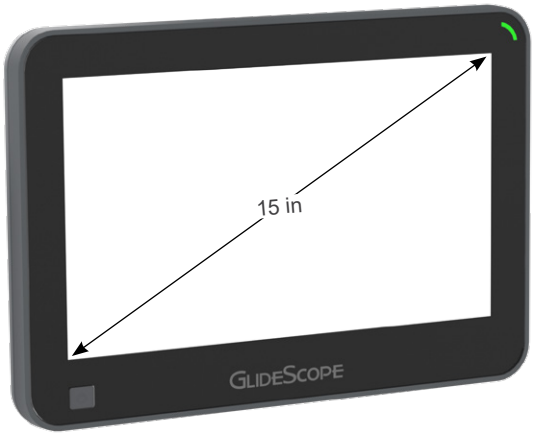
The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

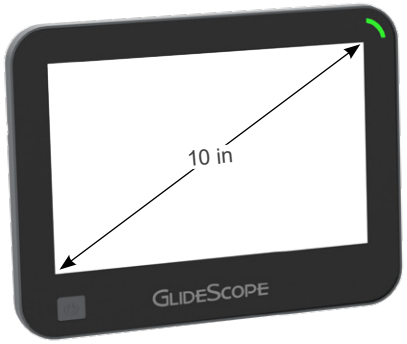
Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:



GlideScope Core 15 and Core 15 FHD Monitors



GlideScope Core 10 and Core 10 FHD Monitors



GlideScope Core Premium Workstation



GlideScope Core Power Adapter

Procedure 1. Cleaning a GlideScope Core Monitor

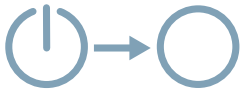
WARNING

To reduce the risk of electrical shock, before cleaning the monitor or workstation, turn off the monitor and disconnect the power supply. Unplug the power supply from its AC power source.

IMPORTANT

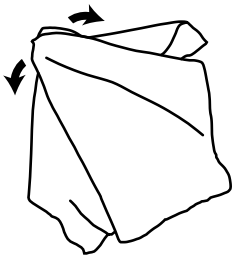
Ensure that you do not use any abrasive substances, brushes, pads, or tools when cleaning the video monitor screen. The screen can be scratched, permanently damaging the device.

1



Make sure **the monitor has been turned off**, and then disconnect its power adapter.

2



Wipe the outside surfaces of the monitor, using a compatible solution.

For a list of compatible solutions,see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

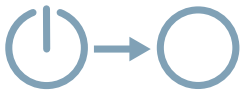
For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

Procedure 2. Cleaning the GlideScope Core Workstation and Power Adapter

WARNING

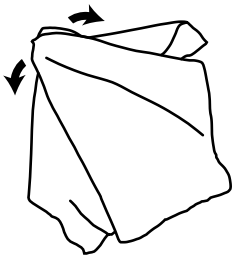
Electric shock hazard. Do not immerse the power adapter in water. Instead, use a cloth dampened with isopropyl alcohol to clean the outside of the adapter.

1



Make sure **the monitor has been turned off**, and then disconnect its power adapter.

2



Wipe the outside surfaces of the workstation and power adapter, using a compatible solution.

For a list of compatible solutions, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

GlideScope Go 2 Monitor, Charging Cradle, and Power Adapters

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 23. Reprocessing Requirements for GlideScope Go 2 Monitor

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Monitor	✓			

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

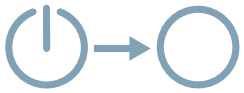
This section of the manual contains reprocessing instructions for the following components:

 GlideScope Go 2 Monitor	 GlideScope Go 2 Charging Cradle

Procedure 1. Preparing the GlideScope Go 2 Monitor for Cleaning

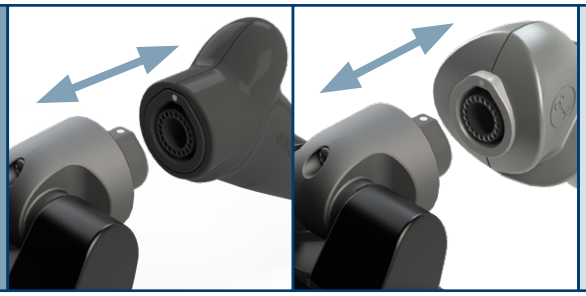
Spectrum single-use video laryngoscopes and GVL Stats are single-use devices. After use, both types of devices are biohazards and should be removed and disposed of in a manner consistent with local protocols.

1



Make sure **the monitor has been turned off.**

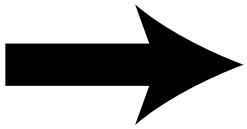
2



Disconnect the video laryngoscope or video baton.

Hold the connector in one hand, hold the video laryngoscope or video baton in the other hand, and then pull.

3



Clean the monitor.

Continue to Cleaning the GlideScope Go 2 Monitor on page 86.

Procedure 2. Cleaning the GlideScope Go 2 Monitor

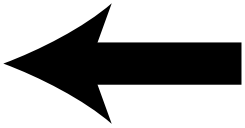
CAUTION

The reusable components of Verathon systems are not shipped in sterile condition. Clean them, and disinfect or sterilize them if appropriate, before their first use. Failure to do so increases the risk of infection.

Clean the monitor after each use, adhering to the instructions below. Verathon has validated the products and method below for compatibility and efficacy. For information about additional solutions that may be available, please contact Verathon Customer Care.

Cleaning the GlideScope Go 2 Monitor (Using a Liquid)

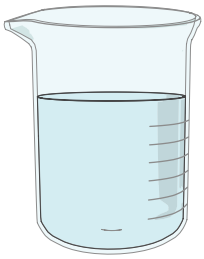
!



You must prepare the component before you clean it.

For instructions, see Preparing the GlideScope Go 2 Monitor for Cleaning on page 85.

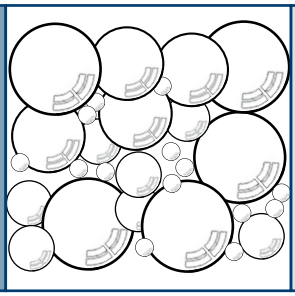
1



Prepare the cleaning solution.

For concentration, temperature, and other preparation instructions, see Table 24 on page 88.

2

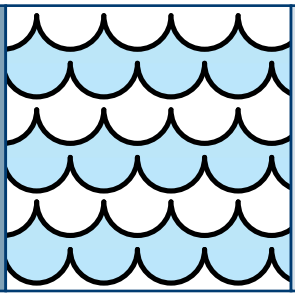


Wash the component in the cleaning solution.

For exposure time, temperature, and other washing instructions, see Table 24 on page 88.

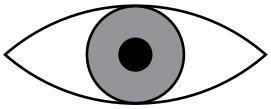
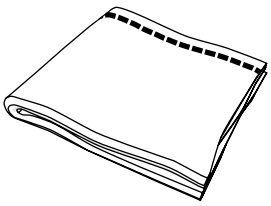
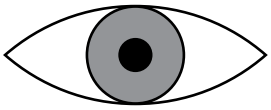
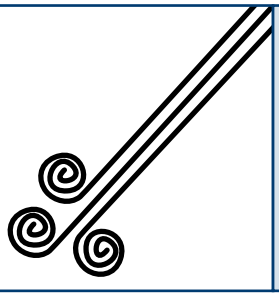
Use a cotton swab moistened with the cleaning solution to clean the power button, the micro-USB port, and the grooves around the LCD window and the connector arm.

3



Rinse the component to remove the cleaning solution.

For rinse time, temperature, and other rinsing instructions, see Table 24 on page 88.

4		**Examine the component** to make sure all visible contamination has been removed. If any visible contamination remains, return to Step 2.
5		**Dry the component** using a clean, lint-free cloth.
6		**Examine the component** to make sure it is not damaged. Metal discoloration and minor scratches are part of normal wear and tear. If you see any actual damage, do not use the component. Contact Verathon Customer Care.
7		**Dry and clear out the main connector**. Use hospital-grade clean air to blow any remaining moisture or other material out of the connector, and then examine the connector to make sure it is completely clean.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Reference Information (Liquids)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 24. Cleaning Solutions for the GlideScope Go 2 Monitor

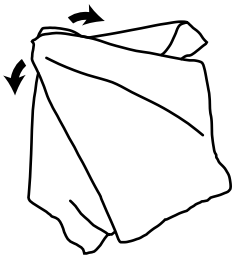
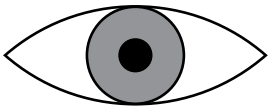
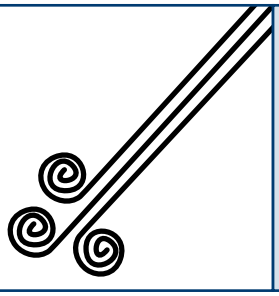
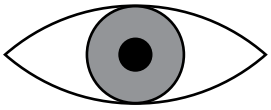
SOLUTION	DISINFECTION LEVEL	CYCLES*	CONDITIONS
ASP CIDEZYME/ ENZOL Enzymatic Detergent	Cleaning	1500	**Exposure:** Prepare the cleaning solution at a concentration of 8–16 mL per L (1–2 U.S. fluid ounces per U.S. gallon). Soak the component for 1–3 minutes. Use a lint-free cloth or cotton-tip swab to clean the component while it is still immersed, paying special attention to the areas around the button, the hinge, all surface contours, and the edges. **Rinse** the component for 3 minutes under running water. Make sure to rinse the blade/baton connector and the USB Type-C port properly. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Cleaning the GlideScope Go 2 Monitor (Using Wipes)

You must prepare the component before you clean it.

For instructions, see Preparing the GlideScope Go 2 Monitor for Cleaning on page 85.

1		**Wipe down the component**. Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need. For specific instructions, see Table 25 on page 90. (This information varies depending on which wipes you use.)
2		**Examine the component** to make sure all visible contamination has been removed. If any visible contamination remains, return to Step 1.
3		**Dry the component**. Allow it to air dry thoroughly.
4		**Examine the component** to make sure it is not damaged. Metal discoloration and minor scratches are part of normal wear and tear. If you see any actual damage, do not use the component. Contact Verathon Customer Care.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Reference Information (Wipes)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 25. Cleaning Wipes for the GlideScope Go 2 Monitor

SOLUTION	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Disposable Wipes	Cleaning	1500	**Exposure:** Remove all visible contamination from the component. Wet all surfaces of the component and keep them wet for at least 3 minutes. Pay special attention to the area around the button, the hinge, all surface contours, and all edges. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
Diversey Accel INTERVention Wipes / Diversey Oxivir Tb Wipes	Cleaning	1500	**Exposure:** Remove all visible contamination from the component. Wet all surfaces of the component and keep them wet for at least 1 minute. Pay special attention to the area around the button, the hinge, all surface contours, and all edges. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
Diversey Accel PREVention Wipes	Cleaning	1500	**Exposure:** Remove all visible contamination from the component. Wet all surfaces of the component and keep them wet for at least 3 minutes. Pay special attention to the area around the button, the hinge, all surface contours, and all edges. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 3. Cleaning the GlideScope Go 2 Charging Cradle

CAUTION

Do not allow system components to come into contact with liquids, other than those recommended in this manual. Exposure to liquids can damage the electronics or other internal parts of some components.

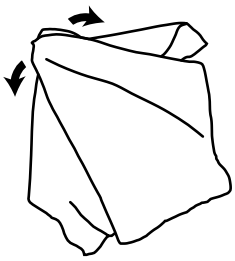
Clean the charging cradle if it comes into contact with non-intact skin or mucous membranes. Otherwise, clean it on a regular basis, according to a schedule established by the medical care facility or provider.

1



Make sure **the monitor has been removed from the charging cradle**, and then disconnect the power supply.

2



Wipe the outside surfaces of the charging cradle, using a compatible solution.

For a list of compatible solutions, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Procedure 4. Cleaning the GlideScope Go 2 Power Adapters

WARNING

Electric shock hazard. Do not immerse the power adapter in water. When cleaning the power adapter, use a cloth dampened with a compatible cleaner on the outside of the enclosure.

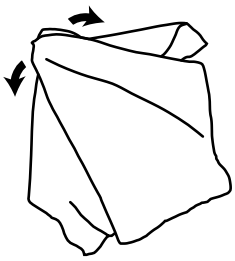
Clean the power adapters as needed or according to a schedule established by the medical care facility or provider.

1



Make sure **the system has been turned off**, and then disconnect each power adapter from the device (monitor or charging cradle) and the power source.

2



Wipe the outside surfaces of the power adapter, using a cloth dampened with a compatible solution.

For a list of compatible solutions, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

GlideScope Go Monitor and Charging Cradle

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 26. Reprocessing Requirements for GlideScope Go Monitor

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Monitor	✓			

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:



GlideScope Go Monitor

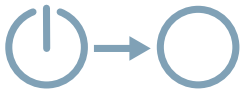


GlideScope Go Charging Cradle

Procedure 1. Preparing the GlideScope Go Monitor for Cleaning

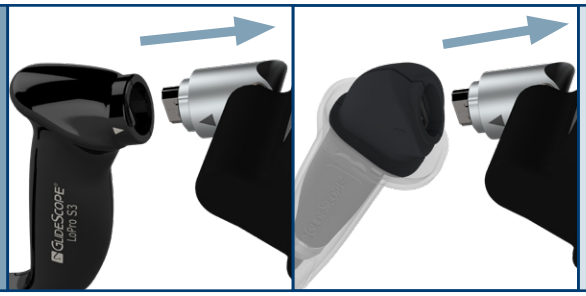
Spectrum single-use video laryngoscopes and GVL Stats are single-use devices. After use, both types of devices are biohazards and should be removed and disposed of in a manner consistent with local protocols.

1



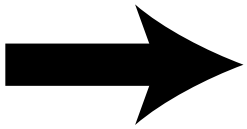
Make sure **the monitor has been turned off.**

2



Disconnect the video laryngoscope or video baton.
Grasp the laryngoscope or baton in one hand and the attached HDMI connector in the other. Pull firmly to separate the two devices.

3



Clean the monitor.

Continue to Cleaning the GlideScope Go Monitor on page 95.

Procedure 2. Cleaning the GlideScope Go Monitor

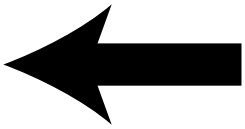
CAUTION

The reusable components of Verathon systems are not shipped in sterile condition. Clean them, and disinfect or sterilize them if appropriate, before their first use. Failure to do so increases the risk of infection.

Clean the monitor after each use, adhering to the instructions below. Verathon has validated the products and method below for compatibility and efficacy. For information about additional solutions that may be available, please contact Verathon Customer Care.

Cleaning the GlideScope Go Monitor (Using a Liquid)

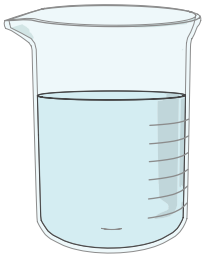
!



You must prepare the component before you clean it.

For instructions, see Preparing the GlideScope Go Monitor for Cleaning on page 94.

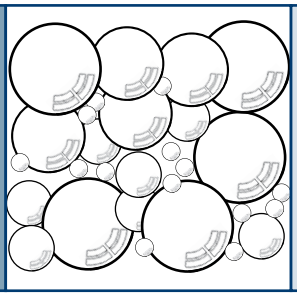
1



Prepare the cleaning solution.

For concentration, temperature, and other preparation instructions, see Table 27 on page 98.

2

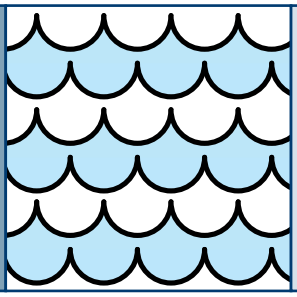


Wash the component in the cleaning solution.

For exposure time, temperature, and other washing instructions, see Table 27 on page 98.

Use a cotton swab moistened with the cleaning solution to clean the power button, the micro-USB port, and the grooves around the LCD window and the connector arm.

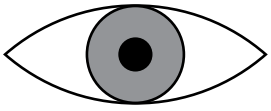
3



Rinse the component to remove the cleaning solution.

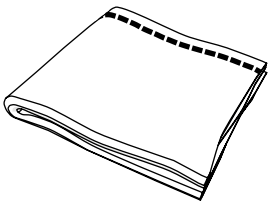
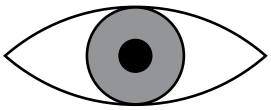
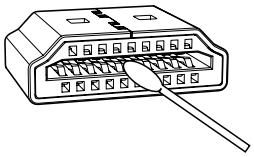
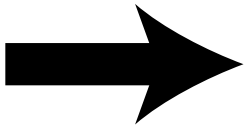
For rinse time, temperature, and other rinsing instructions, see Table 27 on page 98.

4



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 2.

5		**Dry the component** using a clean, lint-free cloth.
6		**Examine the component** to make sure it is not damaged. Metal discoloration and minor scratches are part of normal wear and tear. If you see any actual damage, do not use the component. Contact Verathon Customer Care.
7		**Clean the HDMI connector.** Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.
8		**Disinfect the component** if necessary. Disinfection is optional. To disinfect, continue to Disinfecting the GlideScope Go Monitor (Optional) on page 103.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 27. Cleaning Solutions for the GlideScope Go Monitor

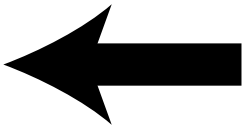
SOLUTION	DISINFECTION LEVEL	CYCLES*	CONDITIONS
ASP CIDEZYME/ ENZOL Enzymatic Detergent	Cleaning	1500	**Exposure:** Prepare the cleaning solution at a concentration of 8–16 mL per L (1–2 U.S. fluid ounces per U.S. gallon). Soak the component for 1–3 minutes. Use a lint-free cloth or cotton-tip swab to clean the component while it is still immersed, paying special attention to the areas around the button, the hinge, all surface contours, and the edges. **Rinse** the component for 3 minutes under running water. Make sure to rinse the HDMI connector and micro USB connector properly. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Notes

Cleaning the GlideScope Go Monitor (Using Wipes)

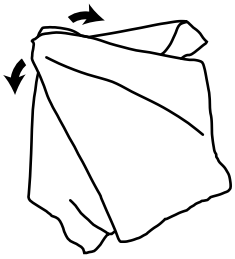
!



You must prepare the component before you clean it.

For instructions, see Preparing the GlideScope Go Monitor for Cleaning on page 94.

1

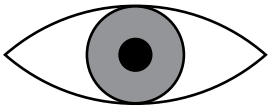


Wipe down the component.

Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.

For specific instructions, see Table 28 on page 102. (This information varies depending on which wipes you use.)

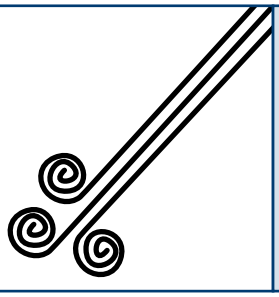
2



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 1.

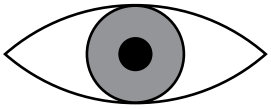
3



Dry the component.

Allow it to air dry thoroughly.

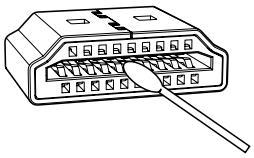
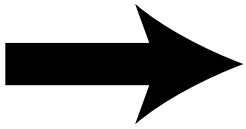
4



Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

5		**Clean the HDMI connector.** Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.
6		**Disinfect the component** if necessary. Disinfection is optional. To disinfect, continue to Disinfecting the GlideScope Go Monitor (Optional) on page 103.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Reference Information (Wipes)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 28. Cleaning Wipes for the GlideScope Go Monitor

SOLUTION	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Disposable Wipes	Cleaning	1500	**Exposure:** Remove all visible contamination from the component. Wet all surfaces of the component and keep them wet for at least 3 minutes. Pay special attention to hard-to-reach edges and surface contours. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 3. Disinfecting the GlideScope Go Monitor (Optional)

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

CAUTION

Do not expose any system component to temperatures above 60°C (140°F), and do not use autoclaves or other heat sterilization systems, except as described in this manual. Exposure to excess heat causes permanent device damage and voids the warranty.

Your medical care facility or provider may require disinfection prior to use. Verathon has validated the products and method below for compatibility and efficacy. For information about additional products that may be available, please contact Verathon Customer Care.

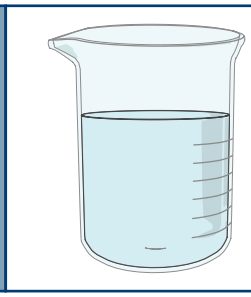
Before You Begin

Before disinfecting the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the previous section, Cleaning the GlideScope Go Monitor.
- Do **not** attempt to place protective caps over the connectors on the GlideScope Go monitor. The monitor is designed to be immersed completely without the use of any protective caps, and Verathon does not provide caps for it.

Disinfecting the GlideScope Go Monitor (Using a Liquid)

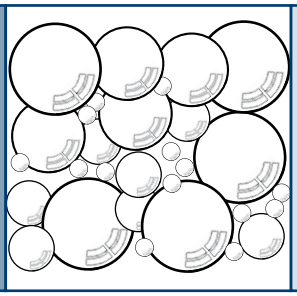
1



Prepare the cleaning solution.

For concentration, temperature, and other preparation instructions, see Table 29 on page 106.

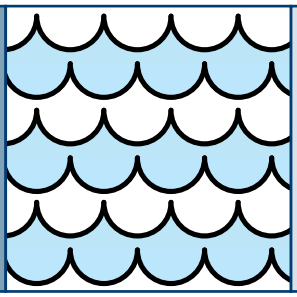
2



Expose the component to the disinfectant solution.

For exposure time, temperature, and other specific instructions, see Table 29 on page 106. (This information varies depending on which disinfectant you use.)

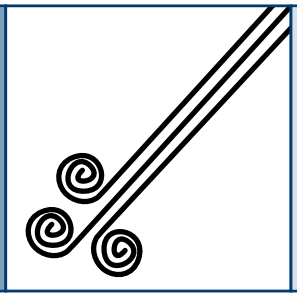
3



Rinse the component to remove the disinfectant solution.

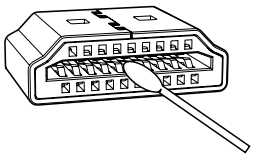
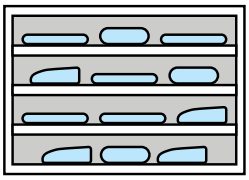
For rinse time, temperature, and other rinsing instructions, see Table 29 on page 106. (This information varies depending on which disinfectant you use.)

4



Dry the component.

Allow it to air dry thoroughly.

5		**Clean the HDMI connector.** Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.
6		**Store the component** in a clean environment (if it will not remain in use).

Reference Information (Liquids)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

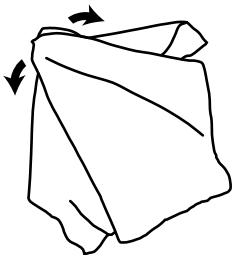
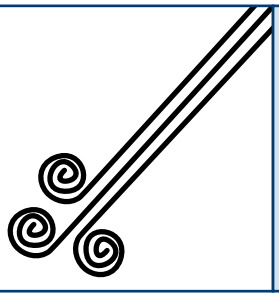
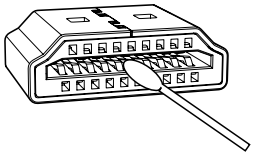
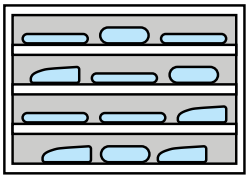
In the following table, the term *pure water* refers to water that is suitable for disinfection according to local regulations and your medical facility.

Table 29. Disinfection Solutions for the GlideScope Go Monitor

SOLUTION	DISINFECTION LEVEL	CYCLES*	CONDITIONS
Anios OPASTER'ANIOS/ Farmec OPASTER	High	1500	**Exposure:** Soak the component at room temperature for 30 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Make sure to rinse the HDMI connector and micro USB connector properly. **Return to the previous procedure** and complete the remaining steps there.
ASP CIDEX OPA Disinfectant	High	1500	**Exposure:** Soak the component at room temperature for 12 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength. **Rinse**: Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Make sure to rinse the HDMI connector and micro USB connector properly. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Disinfecting the GlideScope Go Monitor (Using Wipes)

1		**Wipe down the component**. Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need. For specific instructions, see Table 30 on page 108. (This information varies depending on which wipes you use.)
2		**Dry the component**. Allow it to air dry thoroughly.
3		**Clean the HDMI connector.** Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.
4		**Store the component** in a clean environment (if it will not remain in use).

Reference Information (Wipes)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 30. Disinfection Wipes for the GlideScope Go Monitor

SOLUTION	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Disposable Wipes	Low	1500	**Exposure:** Wet all surfaces of the component and keep them wet for 3 minutes. Pay special attention to the area around the hinge, all edges, and all surface contours. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 4. Cleaning the GlideScope Go Charging Cradle

CAUTION

Do not allow system components to come into contact with liquids, other than those recommended in this manual. Exposure to liquids can damage the electronics or other internal parts of some components.

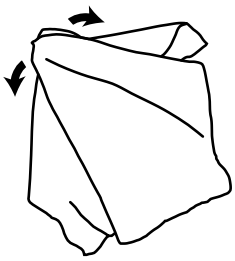
Clean the charging cradle if it comes into contact with non-intact skin or mucous membranes. Otherwise, clean it on a regular basis, according to a schedule established by the medical care facility or provider.

1



Make sure **the monitor has been removed from the charging cradle**, and then disconnect the power supply.

2



Wipe the outside surfaces of the charging cradle, using a compatible solution.

For a list of compatible solutions, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

GlideScope Video Monitor, Premium Cart, Mobile Stand, and Power Adapter

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the cleaners listed in this manual, read and comply with product use instructions in all applications.

Note: The following table assumes that all items are used as intended.

Table 31. Reprocessing Requirements for the GlideScope Video Monitor

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Monitor	✓			

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

WARNING

To reduce the risk of electrical shock, before cleaning the monitor or workstation, turn off the monitor and disconnect the power supply. Unplug the power supply from its AC power source.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:



GlideScope Video Monitor



GlideScope Video Monitor Premium Cart



GlideScope Video Monitor Mobile Stand

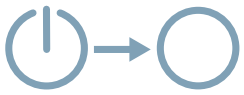
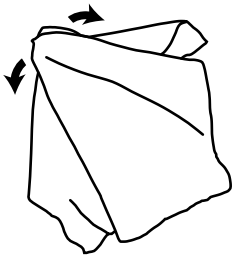


GlideScope Video Monitor Power Adapter

Procedure 1. Cleaning the GlideScope Video Monitor

Clean the video monitor if it comes into contact with non-intact skin or mucous membranes. Otherwise, clean it on a regular basis, according to a schedule established by the medical care facility or provider.

Note: Exceeding the recommended number of cycles may affect the potential life of the component.

1		Make sure **the monitor has been turned off**, and then disconnect its power supply.
2		**Wipe the outside surfaces of the monitor**, using a compatible solution. For a list of compatible solutions, see the table at verathon.com/service-and-support/glidescope-reprocessing-products. For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

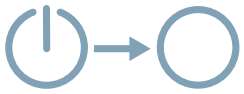
Procedure 2. Cleaning the GlideScope Video Monitor Power Adapter

WARNING

Electric shock hazard. Do not immerse the power adapter in water. Instead, use a cloth dampened with isopropyl alcohol to clean the outside of the adapter.

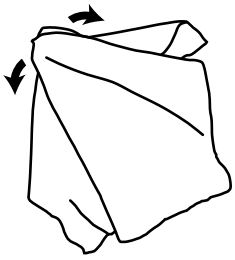
Clean the power adapter as needed or according to a schedule established by the medical care facility or provider.

1



Make sure **the system has been turned off**, and then disconnect the power adapter from the monitor and the power source.

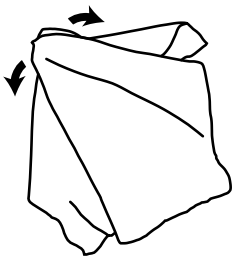
2



Wipe the outside surfaces of the power adapter, using a cloth dampened with isopropyl alcohol.

Do **not** immerse the power adapter in water.

Procedure 3. Cleaning the GlideScope Video Monitor Premium Cart or Mobile Stand

1		Make sure **the monitor has been turned off**, and then disconnect its power adapter.
2		**Wipe the outside surfaces of the cart or stand**, using a compatible solution. For a list of compatible solutions, see the table at verathon.com/service-and-support/glidescope-reprocessing-products. For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

GlideRite Reusable Stylets

Please read the Warnings & Cautions section before performing the tasks in this section.

The GlideRite Rigid Stylet and the GlideRite DLT Stylet are reusable devices that require cleaning, and either high-level disinfection or sterilization, before their first use and between uses. This chapter provides instructions for the following:

- Cleaning the GlideRite Reusable Stylet—Clean the stylet and prepare it for either high-level disinfection or sterilization.
- Disinfecting the GlideRite Reusable Stylet—High-level disinfect the stylet.
- Sterilizing the GlideRite Reusable Stylet (Optional)—Sterilize the stylet.

You must complete the first procedure, followed by either the second or third procedure, to prepare a stylet for use on the next patient. Proper disinfection or sterilization is critical.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 32. Reprocessing Requirements for GlideRite Reusable Stylets

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
GlideRite Rigid Stylet			✓	
GlideRite DLT Stylet			✓	

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:

 GlideRite Rigid Stylet	 GlideRite DLT Stylet

Procedure 1. Cleaning the GlideRite Reusable Stylet

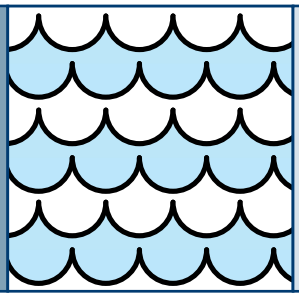
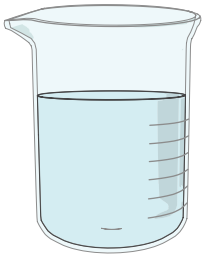
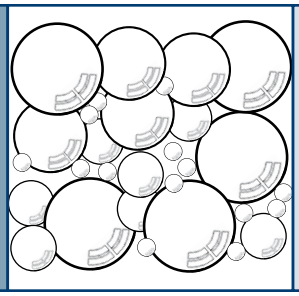
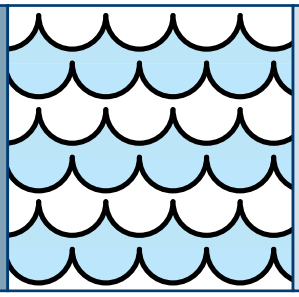
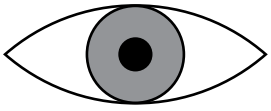
CAUTION

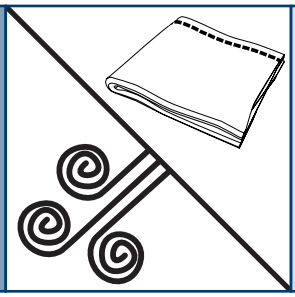
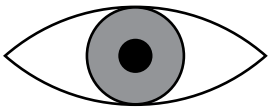
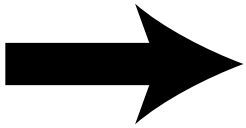
The reusable components of Verathon systems are not shipped in sterile condition. Clean them, and disinfect or sterilize them if appropriate, before their first use. Failure to do so increases the risk of infection.

Before You Begin

Before cleaning, prevent any contaminants from drying onto the surface of the component. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

Cleaning the GlideRite Reusable Stylet (Using a Liquid)

1		**Rinse the component** in clean tap water. For water temperature requirements, see Table 33 on page 120.
2		**Prepare the cleaning solution.** For concentration, temperature, and other preparation instructions, see Table 33 on page 120.
3		**Wash the component** in the cleaning solution. For exposure time, temperature, and other washing instructions, see Table 33 on page 120.
4		**Rinse the component** to remove the cleaning solution. For rinse time, temperature, and other rinsing instructions, see Table 33 on page 120.
5		**Examine the component** to make sure all visible contamination has been removed. If any visible contamination remains, return to Step 3.

6		**Dry the component** using one of the following: • Hospital-grade clean air • A clean, lint-free cloth
7		**Examine the component** to make sure it is not damaged. Metal discoloration and minor scratches are part of normal wear and tear. If you see any actual damage, do not use the component. Contact Verathon Customer Care.
8		**Disinfect or sterilize the component**. To disinfect, continue to Disinfecting the GlideRite Reusable Stylet on page 125. Sterilization is optional. To sterilize, continue to Sterilizing the GlideRite Reusable Stylet (Optional) on page 131.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 33. Cleaning Solutions for GlideRite Reusable Stylets

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
Ecolab OptiPro Multi-Enzymatic Low-Foam Detergent	Cleaning	3000	**Exposure:** Prepare the cleaning solution at a concentration of 3.9–15.6 mL per L (0.5–2 U.S. fluid ounces per U.S. gallon). Soak the component for 2–5 minutes. After soaking the component, brush all of its surfaces except the camera window with a soft-bristled brush to remove any visible contamination. **Rinse** the component for 3 minutes under cold running water, brushing all of its surfaces with a soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.
Metrex CaviCide	Cleaning	1500	**Exposure:** Using the cleaning solution at a temperature of 33–40°C (91–104°F) and at full strength, spray all surfaces of the component until they are drenched. Allow the component to remain wet for 3 minutes. Brush all surfaces of the component. *Note: Spray the component as often as needed to ensure that all surfaces remain wet for the full 3 minutes.* **Rinse** the component for 5 minutes under running water. While rinsing, use a soft-bristled brush and a syringe to flush and brush any hard-to-reach areas. **Return to the previous procedure** and complete the remaining steps there.

Table 33. Cleaning Solutions for GlideRite Reusable Stylets (continued)

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
Getinge Tec Wash III	Cleaning	1500	**Exposure:** Soak the component at a temperature of 20–40°C (68–104°F) for 3 minutes, brushing all of its surfaces. **Rinse** the component for 3 minutes under running water. **Return to the previous procedure** and complete the remaining steps there.
Metrex EmPower	Cleaning	1500	**Exposure:** Prepare the cleaning solution at a temperature of 19–29°C (66–84°F) and a concentration of 8 mL per L (1 U.S. fluid ounce per U.S. gallon). Soak the component for 3 minutes. Before removing the component from the solution, brush all of its surfaces. Pay special attention to hard-to-reach areas. **Rinse** the component for 3 minutes under running water. **Return to the previous procedure** and complete the remaining steps there.
Pro-Line EcoZyme/ Southmedic EcoZyme Ultra	Cleaning	1500	**Exposure:** Prepare the cleaning solution at 8 mL per L (1 U.S. fluid ounce per U.S. gallon) in 30-40°C (86–104°F) water. Soak the component for 5 minutes. Before removing the component from the solution, brush all of its surfaces. Pay special attention to hard-to-reach areas. **Rinse** the component for 5 minutes under running water at 19–29°C (66–84°F). **Return to the previous procedure** and complete the remaining steps there.

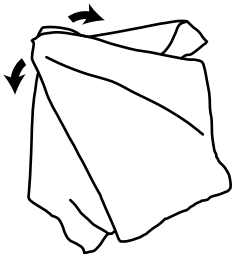
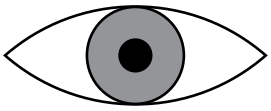
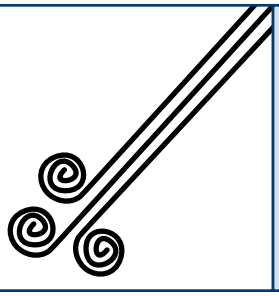
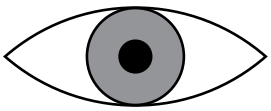
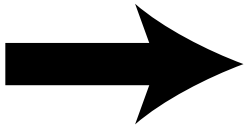
Table 33. Cleaning Solutions for GlideRite Reusable Stylets (continued)

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
STERIS Prolystica 2X Concentrate Enzymatic Presoak and Cleaner†	Cleaning	3000	**Exposure:** Prepare the cleaning solution at a temperature of 35˚C±5˚C and a concentration of 1–4 mL per L (0.125–0.5 U.S. fluid ounce per U.S. gallon). Soak the component for at least 3 minutes. Before removing the component from the solution, brush all of its surfaces, paying special attention to hard-to-reach areas. **Rinse** the component for 3 minutes under warm running water. If the component soaks for longer than 3 minutes, increase the rinse time in proportion to the soak time. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

† *After using STERIS Prolystica 2X Concentrate to clean a component that comes into direct contact with the patient, you must disinfect or sterilize the component as described in this manual. The disinfection or sterilization step neutralizes any remaining enzymes and prevents cytotoxicity.*

Cleaning the GlideRite Reusable Stylet (Using Wipes)

1		**Wipe down the component**. Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need. For specific instructions, see Table 34 on page 124. (This information varies depending on which wipes you use.)
2		**Examine the component** to make sure all visible contamination has been removed. If any visible contamination remains, return to Step 1.
3		**Dry the component**. Allow it to air dry thoroughly.
4		**Examine the component** to make sure it is not damaged. Metal discoloration and minor scratches are part of normal wear and tear. If you see any actual damage, do not use the component. Contact Verathon Customer Care.
5		**Disinfect or sterilize the component**. To disinfect, continue to Disinfecting the GlideRite Reusable Stylet on page 125. Sterilization is optional. To sterilize, continue to Sterilizing the GlideRite Reusable Stylet (Optional) on page 131.

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Reference Information (Wipes)

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 34. Cleaning Wipes for GlideRite Reusable Stylets

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
PDI Sani-Cloth Bleach Germicidal Disposable Wipes	Cleaning	3000	**Exposure:** Use a fresh wipe to remove all heavy soil from the component, and then use a second wipe to wet all surfaces of the component thoroughly. Use additional wipes as needed to ensure that all surfaces remain visibly wet for at least 4 minutes. **Dry:** Allow the product to air dry. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 2. Disinfecting the GlideRite Reusable Stylet

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

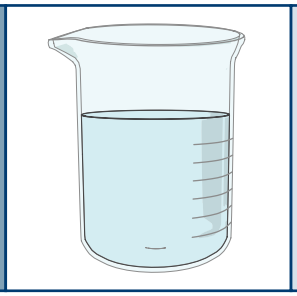
The GlideRite Rigid Stylet and DLT Stylet require high-level disinfection prior to use. You may choose to sterilize the stylets, depending on your local protocols or facility preferences. For more information about the reprocessing requirements for the stylets, see Table 32 on page 115.

Before You Begin

Before disinfecting, clean the component according to the instructions and standards in the earlier section, Cleaning the GlideRite Reusable Stylet.

Disinfecting the GlideRite Reusable Stylet

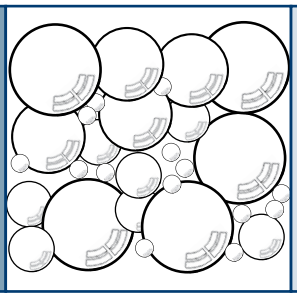
1



Prepare the disinfectant solution.

For concentration, temperature, and other preparation instructions, see Table 35 on page 128.

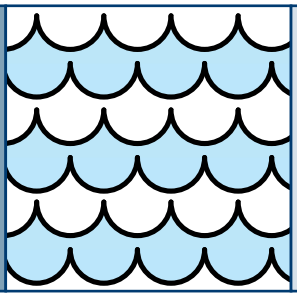
2



Expose the component to the disinfectant solution.

For exposure time, temperature, and other specific instructions, see Table 35 on page 128. (This information varies depending on which solution you use.)

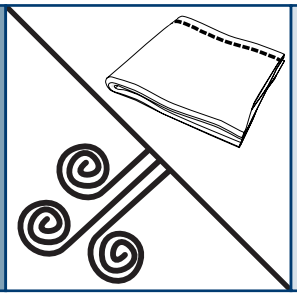
3



Rinse the component to remove the disinfectant solution.

For rinse time, temperature, and other rinsing instructions, see Table 35 on page 128. (This information varies depending on which solution you use.)

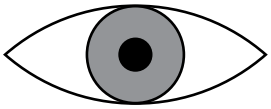
4



Dry the component using one of the following:

- Hospital-grade clean air
- A clean, lint-free cloth

5

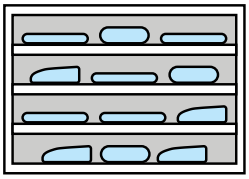


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

6



Store the component in a clean environment.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

In the following table, the term *pure water* refers to water that is suitable for disinfection according to local regulations and your medical facility.

Table 35. Disinfection Solutions for GlideRite Reusable Stylets

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
ASP CIDEX OPA Disinfectant	High	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from the surface of the component. Use the solution at full strength. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. **Return to the previous procedure** and complete the remaining steps there.
Anios OPASTER'ANIOS/ Farmec OPASTER	High	3000	**Exposure:** Soak the component at room temperature for 30 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Make sure to rinse any exposed connectors properly. **Return to the previous procedure** and complete the remaining steps there.
Metrex MetriCide OPA Plus	High	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from the surface of the component. Use the solution at full strength. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. **Return to the previous procedure** and complete the remaining steps there.

Table 35. Disinfection Solutions for GlideRite Reusable Stylets (continued)

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
Cantel (MEDIVATORS) Rapicide PA 30°C	High	100	**Concentration:** 750–950 parts per million **Exposure:** Process the component for 5 minutes in a Cantel Advantage Plus or DSD Edge AER system with the following configuration: • Hookup: 2-8-002HAN Rev. B • Parameter: 1-24-010 C DISF **Return to the previous procedure** and complete the remaining steps there.
Metrex MetriCide 28	High	1500	**Exposure:** Soak the component for 20 minutes at 25°C (77°F), ensuring that all air bubbles are removed from its surfaces. **Rinse** the component in pure water at 33–40°C (91–104°F). Immerse it 3 times, for 3 minutes each time. Agitate it and brush it with a sterile, soft-bristled brush during each immersion. **Return to the previous procedure** and complete the remaining steps there.
STERIS Resert XL HLD† Revital-Ox Resert XL HLD† Revital-Ox Resert HLD/ Chemosterilant†	High	1500	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 8 minutes, ensuring that all air bubbles are removed from its surfaces. **Rinse:** Immerse the component once, for 1 minute, with agitation in pure water. Ensure that the connector is properly rinsed. **Return to the previous procedure** and complete the remaining steps there.
STERIS S40 or S20	High	500	Use standard cycles in the following processors: SYSTEM 1E (in U.S.) STERIS SYSTEM 1 (outside U.S.) SYSTEM 1 EXPRESS (outside U.S.) SYSTEM 1 PLUS (outside U.S.) **Return to the previous procedure** and complete the remaining steps there.

Table 35. Disinfection Solutions for GlideRite Reusable Stylets (continued)

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
Washer-disinfector systems (thermal disinfection; EU only)	High	100	**Cleaning Cycle:** Use a compatible cleaner listed in Table 33. **Disinfection Cycle:** Expose the component for at least 5 minutes at 90°C (194°F), or at least 2.5 minutes at 93°C (199°F). **Drying Cycle:** Dry the component at no more than 95°C (203°F), and then allow it to cool. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

† *This chemical may discolor metal, but the discoloration does not affect efficacy or functionality.*

Procedure 3. Sterilizing the GlideRite Reusable Stylet (Optional)

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

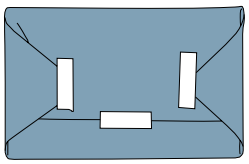
Sterilization of the GlideRite Rigid Stylet or DLT Stylet is optional. However, your medical care facility or provider may require you to sterilize these components before using them. Follow this procedure to sterilize a GlideRite Rigid Stylet or DLT Stylet.

Before You Begin

Before sterilizing, clean the component according to the instructions and standards in the earlier section, Cleaning the GlideRite Reusable Stylet.

Sterilizing the GlideRite Reusable Stylet

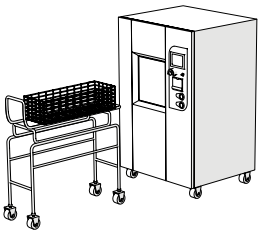
1



Package the component in a pouch, wrap, or other enclosure, if appropriate.

For the appropriate type of package for your sterilization system, see the manufacturer's instructions and Table 36 on page 133.

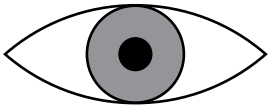
2



Sterilize the component.

For compatible cycle settings and other specific information, see Table 36 on page 133. For additional information, see the manufacturer's instructions for the sterilization system.

3

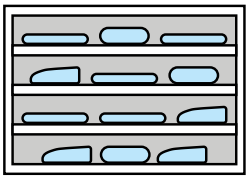


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

4



Store the component in an environment that is suitable for sterile equipment.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

The following table provides specific instructions that have been deemed efficacious on these components. For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 36. Sterilization Products for GlideRite Reusable Stylets

PRODUCT	DISINFECTION LEVEL	CYCLES*	CONDITIONS
ASP Hydrogen Peroxide Gas Plasma	Sterilization	500	Insert the component into a Tyvek pouch, and then sterilize it using one of the following processors: STERRAD 100S (in U.S.) STERRAD 100S short cycle (outside U.S.) STERRAD NX standard cycle STERRAD 100NX standard cycle STERRAD 50 STERRAD 200 short cycle **Return to the previous procedure** and complete the remaining steps there.
STERIS V-PRO systems with Vaprox HC	Sterilization	500	Insert the component into a Tyvek pouch, and then use the non-lumen cycle in any STERIS Amsco V-PRO low-temperature sterilization system. **Return to the previous procedure** and complete the remaining steps there.
Autoclave (steam cycle)	Sterilization	300	**Minimum:** Sterilize the component for 3 minutes at 134°C (273°F), or for 4 minutes at 132°C (270°F). **Maximum:** Sterilize the component for 18 minutes at 137°C (279°F). **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

† *This chemical may discolor metal, but the discoloration does not affect efficacy or functionality.*

Notes

Urologic Endoscopy Products

CystoView Monitor and Power Adapter

Please read the Warnings & Cautions section before performing the tasks in this section.

Cleaning the CystoView monitor is an important part of using and maintaining it. Prior to each use, ensure that the monitor has been cleaned according to the guidance provided in Table 37.

The availability and regulatory compliance of the cleaning products provided in this manual vary by region; ensure that you select products in accordance with your local laws and regulations.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Table 37. Reprocessing Requirements for CystoView Monitors

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Monitor	✓			

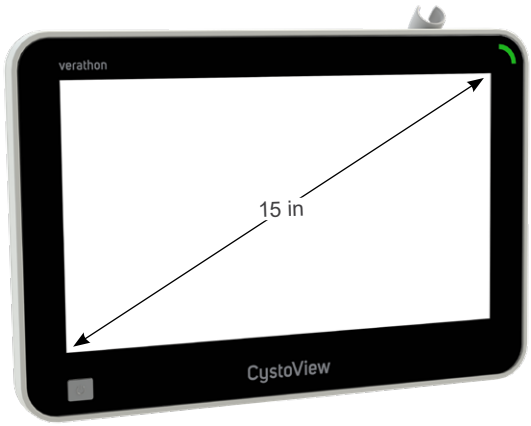
The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:



CystoView Monitor



CystoView Power Adapter

Procedure 1. Cleaning the CystoView Monitor

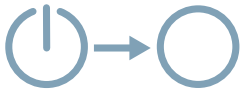
WARNING

To reduce the risk of electrical shock, before cleaning the monitor or workstation, turn off the monitor and disconnect the power supply. Unplug the power supply from its AC power source.

IMPORTANT

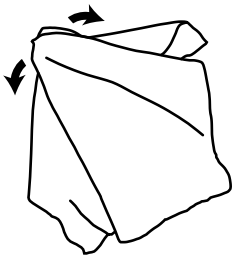
Ensure that you do not use any abrasive substances, brushes, pads, or tools when cleaning the video monitor screen. The screen can be scratched, permanently damaging the device.

1



Make sure **the monitor has been turned off**, and then disconnect its power adapter.

2

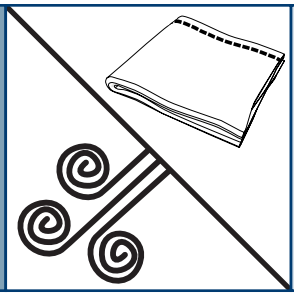


Wipe the outside surfaces and cable holder of the monitor, using a compatible solution. Thoroughly clean the device until all visible soil is removed.

For a list of compatible solutions, visit verathon.com/service-and-support/glidescope-reprocessing-products.

For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

3



Dry the monitor (if necessary) using one of the following:

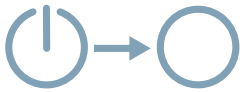
- Air drying (allowing the monitor to dry)
- A clean, lint-free cloth

Procedure 2. Cleaning the Power Adapter

WARNING

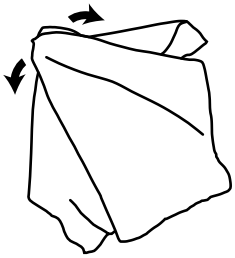
Electric shock hazard. Do not immerse the power adapter in water. Instead, use a cloth dampened with isopropyl alcohol to clean the outside of the adapter.

1



Make sure **the monitor has been turned off**, and then disconnect its power adapter.

2



Wipe the outside surfaces of the power adapter, using a compatible solution.

For a list of compatible solutions, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.

Common Components

Verathon Essential Workstation

Please read the Warnings & Cautions section before performing the tasks in this section.

CAUTION

Use only cleaners, disinfectants, and sterilants recommended by Verathon to reprocess equipment manufactured by Verathon. Use of other reprocessing products may cause damage to the equipment.

Cleaning the Verathon Essential Workstation is an important part of using and maintaining it. Prior to each use, ensure that the workstation has been cleaned according to the guidance provided in Table 38.

The availability and regulatory compliance of the cleaning products provided in this manual vary by region; ensure that you select products in accordance with your local laws and regulations.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Table 38. Reprocessing Requirements for the Verathon Essential Workstation

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Workstation	✓			

The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:



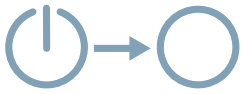
Verathon Essential Workstation

Procedure 1. Cleaning the Verathon Essential Workstation

WARNING

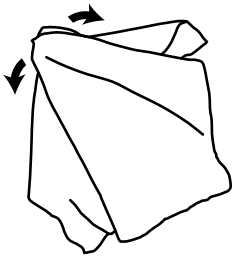
Electric shock hazard. Do not immerse the power adapter in water. Instead, use a cloth dampened with isopropyl alcohol to clean the outside of the adapter.

1



Make sure **the monitor has been turned off**, and then disconnect its power adapter.

2



Wipe the outside surfaces of the workstation, using a compatible solution. Continue wiping until all visible soil is removed.

For a list of compatible solutions, visit verathon.com/service-and-support/glidescope-reprocessing-products.

For specific cleaning and use directions, refer to the manufacturer's instructions for the solution.



Notes

QuickConnect Cables

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 39. Reprocessing Requirements for QuickConnect Cables

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
GlideScope Video Monitor QuickConnect Cable	✓			
2m QuickConnect Cable	✓			
GlideScope Core QuickConnect Cable	✓			

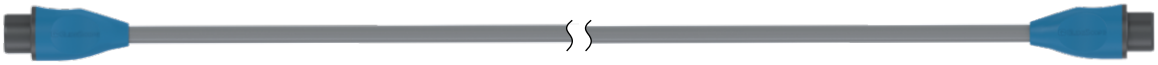
The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

This section of the manual contains reprocessing instructions for the following components:



2m QuickConnect Cable
GlideScope Core QuickConnect Cable

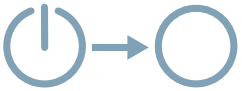


GlideScope Video Monitor QuickConnect Cable

Note: These images have been shortened for illustrative purposes.

Procedure 1. Preparing a QuickConnect Cable for Cleaning

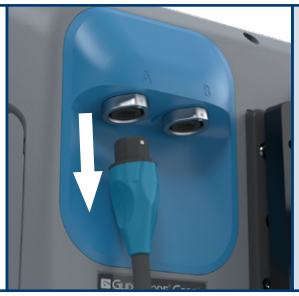
1



Make sure **the monitor has been turned off.**

2





Disconnect the video cable.

- GlideScope Video Monitor—Turn the connector ring in the direction of the release arrow, and then pull.
- Core monitors—Hold the connector in one hand, support the monitor with the other, and pull.

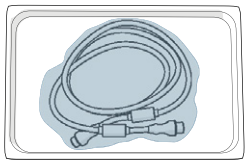
3



Disconnect the scope.

Hold the connector in one hand, hold the scope in the other hand, and then pull.

4

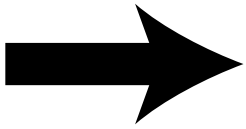


Apply a pre-cleaner. (Optional)

Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

For information on compatible pre-cleaners, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

5



Clean the component.

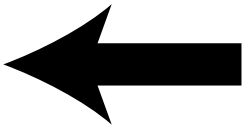
Continue to Cleaning a QuickConnect Cable on page 150.

Procedure 2. Cleaning a QuickConnect Cable

Please read the Warnings & Cautions section before performing the following task.

Cleaning a QuickConnect Cable (Using a Liquid)

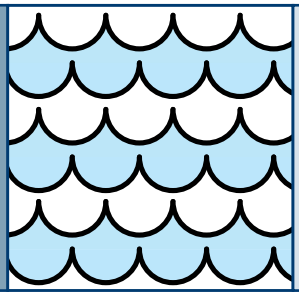
!



You must prepare the component before you clean it.

For instructions, see Preparing a QuickConnect Cable for Cleaning on page 149.

1

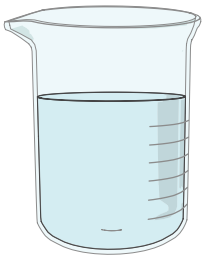


Rinse the component in clean tap water.

Scrub the component with a soft-bristled brush until all visible contamination has been removed.

Examine all connectors for contamination. If you see any, use a long, soft-bristled brush or a cotton swab to remove it.

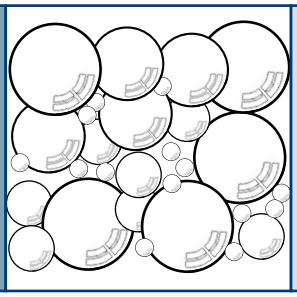
2



Prepare the cleaning solution.

For concentration, temperature, and other preparation instructions, see Table 40 on page 153.

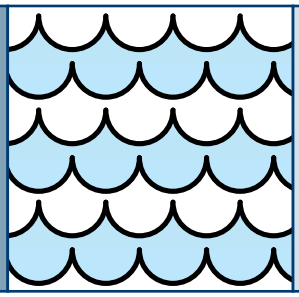
3



Thoroughly wash the component in the cleaning solution.

For exposure time, temperature, and other washing instructions, see Table 40 on page 153. (This information varies depending on which cleaning solution you use.)

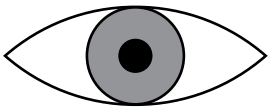
4



Rinse the component to remove the cleaning solution.

For rinse time, temperature, and other rinsing instructions, see Table 40 on page 153. (This information varies depending on which cleaning solution you use.)

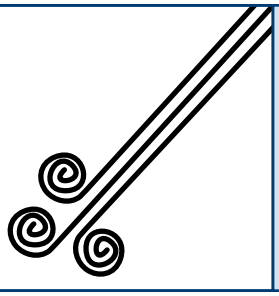
5



Examine the component to make sure all visible contamination has been removed.

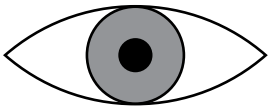
If any visible contamination remains, return to Step 3.

6



Dry the component.
Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using hospital-grade clean air.

7

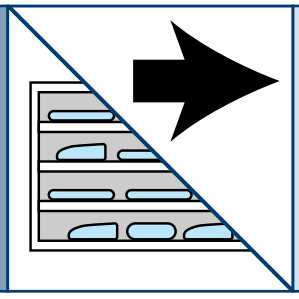


Examine the component to make sure it is not damaged. Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

Note: Handle the component carefully to avoid recontamination.

8



Disinfect the component (optional).

To disinfect, continue to Disinfecting a QuickConnect Cable (Optional) on page 158.

Otherwise, store the component in a clean environment (if it will not remain in use).

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Reference Information (Liquids)

Verathon has validated the products in this table for both chemical compatibility and biological efficacy when cleaning the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

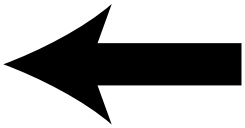
Table 40. Cleaning Solutions for QuickConnect Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
ASP CIDEZYME/ ENZOL Enzymatic Detergent	Cleaning	GlideScope Video Monitor QuickConnect Cable	1500	**Exposure:** Prepare the cleaning solution in lukewarm water at a concentration of 8–16 mL per L (1–2 U.S. fluid ounces per U.S. gallon). Immerse the component, including its connectors, and allow it to soak for 1–3 minutes. Use a soft bristled brush to clean the component while it is still immersed. When cleaning the GlideScope Video Monitor QuickConnect Cable, pay special attention to cracks, crevices, seams, and hard-to-reach areas. **Rinse** the component for 3 minutes under running tap water, making sure that its connectors are rinsed properly. **Return to the previous procedure** and complete the remaining steps there.
		2m QuickConnect Cable or GlideScope Core QuickConnect Cable		

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Cleaning a QuickConnect Cable (Using Wipes)

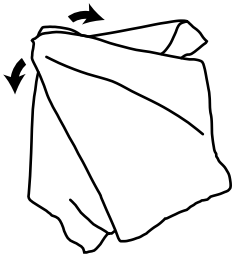
!



You must prepare the component before you clean it.

For instructions, see Preparing a QuickConnect Cable for Cleaning on page 149.

1

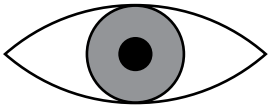


Thoroughly wipe down the component.

Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.

For specific instructions, see Table 41 on page 156. (This information varies depending on which wipes you use.)

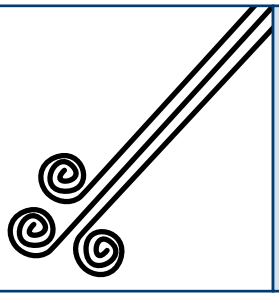
2



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 1.

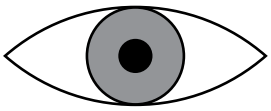
3



Dry the component.

Allow it to air dry thoroughly.

4

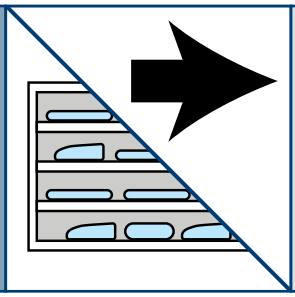


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

5



Disinfect the component (optional).

To disinfect, continue to Disinfecting a QuickConnect Cable (Optional) on page 158.

Otherwise, store the component in a clean environment (if it will not remain in use).

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Reference Information (Wipes)

Verathon has validated the products in this table for both chemical compatibility and biological efficacy when cleaning the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 41. Cleaning Wipes for QuickConnect Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Metrex CaviWipes	Cleaning	2m QuickConnect Cable	7800	**Exposure:** Remove all visible contamination from the component. Use fresh towelettes to wet all surfaces on the component and keep them wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. Return to the previous procedure and complete the remaining steps there.

Table 41. Cleaning Wipes for QuickConnect Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Disposable Wipes	Cleaning	GlideScope Video Monitor QuickConnect Cable	1500	a. Using a new, fresh towelette, wipe the monitor end (the black connector) of the cable with a back-and-forth scrubbing motion. b. Continue wiping with a back-and-forth scrubbing motion, working your way along the cable toward the bronchoscope end (the blue connector). c. At each joint between cable elements and overmolded parts, wipe thoroughly to remove all soil buildup. d. Using a new, fresh towelette, wipe the bronchoscope end of the cable (the blue connector) with a back-and-forth scrubbing motion. e. Continue wiping with a back-and-forth scrubbing motion, working your way back along the cable toward the monitor end (the black connector). f. At each joint between cable elements and overmolded parts, wipe thoroughly to remove all soil buildup. g. If any areas begin to appear dry, wipe them again to keep them visibly wet for at least 3 minutes. h. Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		GlideScope Core QuickConnect Cable	1500	**Exposure:** Use a new wipe to remove all visible gross soil, and then use fresh wipes to wet all surfaces of the component. Use additional wipes as needed to keep the component visibly wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		2m QuickConnect Cable	7800	

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 3. Disinfecting a QuickConnect Cable (Optional)

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

Please read the Warnings & Cautions section before performing the following task.

Follow this procedure to disinfect a video cable or Smart Cable.

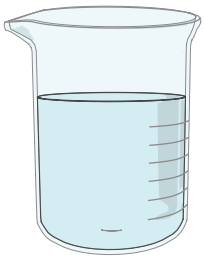
Before You Begin

Before disinfecting the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the previous section, Cleaning a QuickConnect Cable.
- Do **not** attempt to place protective caps over the connectors on QuickConnect Cables. These components are designed to be immersed completely without the use of any protective caps, and Verathon does not provide caps for them.

Disinfecting a QuickConnect Cable (Using a Liquid)

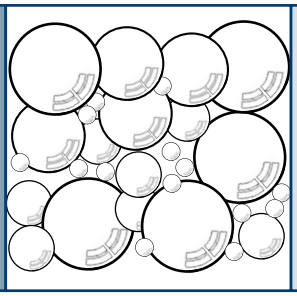
1



Prepare the disinfectant solution.

For concentration, temperature, and other preparation instructions, see Table 42 on page 161.

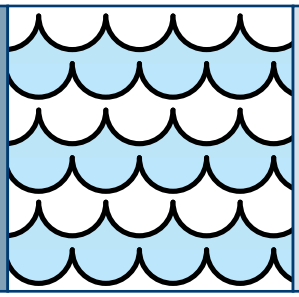
2



Expose the component to the disinfectant solution.

For exposure time, temperature, and other specific instructions, see Table 42 on page 161. (This information varies depending on which disinfectant you use.)

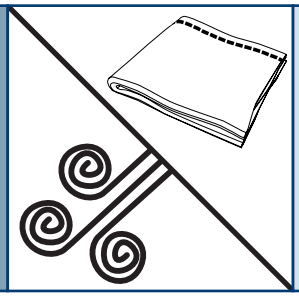
3



Rinse the component to remove the disinfectant solution.

For rinse time, temperature, and other rinsing instructions, see Table 42 on page 161. (This information varies depending on which disinfectant you use.)

4

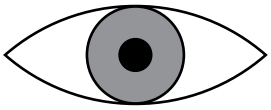


Dry the component.

Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following:

- Hospital-grade clean air
- A clean, lint-free cloth

5

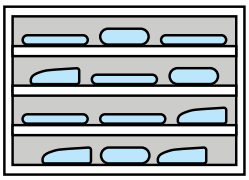


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

6



Store the component in a clean environment (if it will not remain in use).

Reference Information (Liquids)

Verathon has validated the products in Table 42 for both chemical compatibility and biological efficacy when disinfecting the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

IMPORTANT

When applying high-level disinfection to a video cable or Smart Cable, you may use a Cantel (MEDIVATORS) CER Optima 1 & 2 AER, DSD-201 AER, or SSD-102 AER system, provided that you meet the following requirements:

- Use an approved high-level disinfectant from Table 42.
- Use a disinfectant that is compatible with the Cantel system. For more information about chemical compatibility, contact Cantel.
- Follow the processing conditions provided in Table 42, including temperature, exposure, and concentration, for the disinfectant you use.
- Do not expose the component to temperatures exceeding 60°C (140°F) on any cycle.

In the following table, the term *pure water* refers to water that is suitable for disinfection according to local regulations and your medical facility.

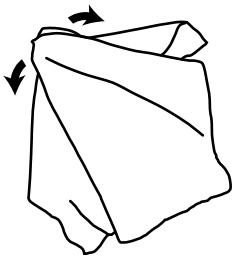
Table 42. Disinfection Solutions for QuickConnect Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
ASP CIDEX OPA Disinfectant	High	2m QuickConnect Cable or GlideScope Core QuickConnect Cable	1500	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength, after confirming the concentration with CIDEX OPA test strips. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Use a fresh batch of pure water for each immersion. **Return to the previous procedure** and complete the remaining steps there.
Anios OPASTER'ANIOS/ Farmec OPASTER	High	2m QuickConnect Cable or GlideScope Core QuickConnect Cable	1500	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength, after confirming the concentration with CIDEX OPA test strips. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Ensure that any exposed connectors are rinsed properly. **Return to the previous procedure** and complete the remaining steps there.

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

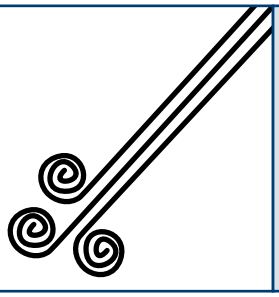
Disinfecting a QuickConnect Cable (Using Wipes)

1



Wipe down the component.
Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.
For specific instructions, see Table 43 on page 163. (This information varies depending on which wipes you use.)

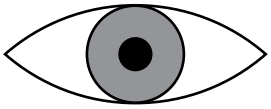
2



Dry the component.

Allow it to air dry thoroughly.

3

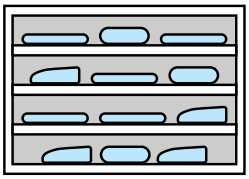


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

4



Store the component in a clean environment (if it will not remain in use).

Reference Information (Wipes)

Verathon has validated the products in Table 43 for both chemical compatibility and biological efficacy when disinfecting the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 43. Disinfection Wipes for QuickConnect Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
PDI Sani-Cloth AF3 Germicidal Disposable Wipes	Low	GlideScope Core QuickConnect Cable	1500	**Exposure:** Wet all surfaces of the component and keep them wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		2m QuickConnect Cable	7800	

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*



Notes

Video Cables and Smart Cables

Please read the Warnings & Cautions section before performing the tasks in this section.

IMPORTANT

Do not let any contaminant(s) dry on the device. Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

When using any of the reprocessing products listed in this manual, read and comply with product use instructions in all applications.

Note: It is understood that all items in the following table will be used as intended.

Table 44. Reprocessing Requirements for Video Cables and Smart Cables

DEVICE	REQUIRED REPROCESSING LEVELS			
	Clean	Low	High	Sterilize
Titanium Video Cable	✓			
GlideScope Core Video Cable	✓			
Spectrum Smart Cable	✓			
GlideScope Core Smart Cable	✓			

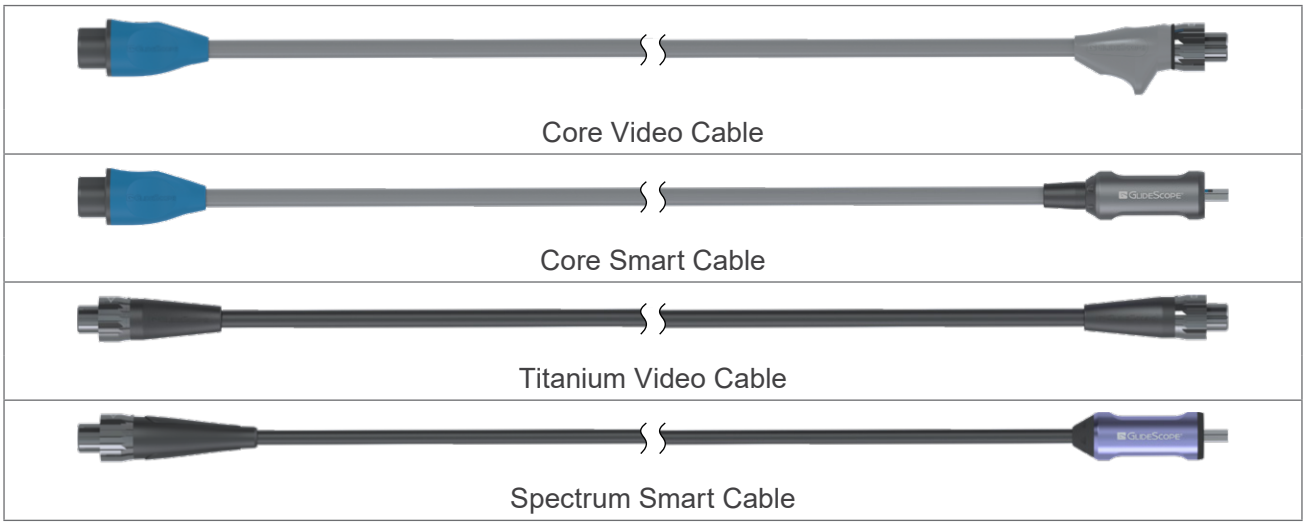
The reprocessing levels shown in this table refer to the CDC/Spaulding classifications.

IMPORTANT

Information about materially compatible and efficacious reprocessing products is available in the table at verathon.com/service-and-support/glidescope-reprocessing-products. Review this information before performing the procedures in this chapter.

Items Covered in This Section

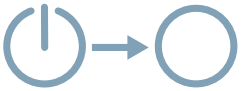
This section of the manual contains reprocessing instructions for the following components:



Note: These images have been shortened for illustrative purposes.

Procedure 1. Preparing a Video Cable or Smart Cable for Cleaning

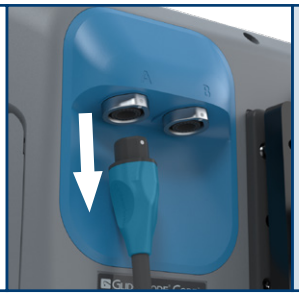
1



Make sure **the monitor has been turned off.**

2

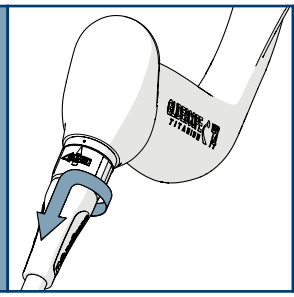


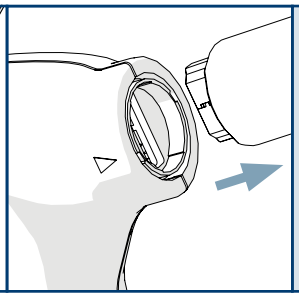


Disconnect the video cable.

- GlideScope Video Monitor—Turn the connector ring in the direction of the release arrow, and then pull.
- Core monitors—Hold the connector in one hand, support the monitor with the other, and pull.

3

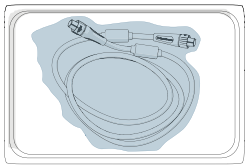




Disconnect the scope.

- Reusable video laryngoscopes—Turn the connector ring in the direction of the release arrow, and then pull.
- Single-use video laryngoscopes or video batons—Pull the connector firmly out of the socket on the scope.

4

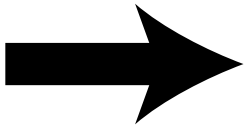


Apply a pre-cleaner. (Optional)

Bodily contaminants tend to become securely attached to solid surfaces when dried, making removal more difficult.

For information on compatible pre-cleaners, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

5



Clean the component.

Continue to Cleaning a Video Cable or Smart Cable on page 168.

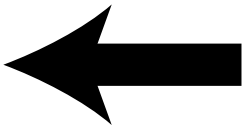
Procedure 2. Cleaning a Video Cable or Smart Cable

Please read the Warnings & Cautions section before performing the following task.

Follow this procedure to clean a Titanium video cable or Spectrum Smart Cable. It is critical to remove all traces of contamination from a component before beginning disinfection or sterilization.

Cleaning a Video Cable or Smart Cable (Using a Liquid)

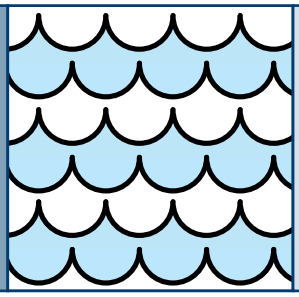
!



You must prepare the component before you clean it.

For instructions, see Preparing a Video Cable or Smart Cable for Cleaning on page 167.

1

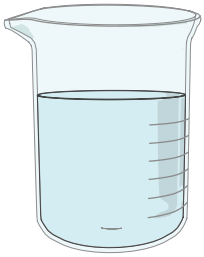


Rinse the component in clean tap water.

Scrub the component with a soft-bristled brush until all visible contamination has been removed.

Examine all connectors for contamination. If you see any, use a long, soft-bristled brush or a cotton swab to remove it.

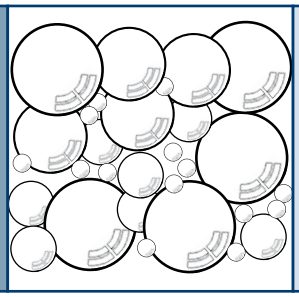
2



Prepare the cleaning solution.

For concentration, temperature, and other preparation instructions, see Table 45 on page 171.

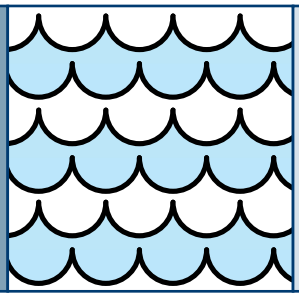
3



Wash the component in the cleaning solution.

For exposure time, temperature, and other washing instructions, see Table 45 on page 171. (This information varies depending on which cleaning solution you use.)

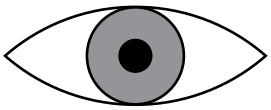
4



Rinse the component to remove the cleaning solution.

For rinse time, temperature, and other rinsing instructions, see Table 45 on page 171. (This information varies depending on which cleaning solution you use.)

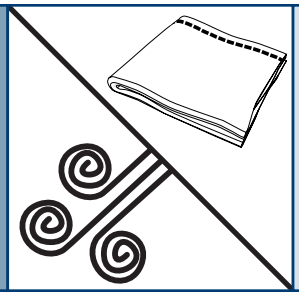
5



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 3.

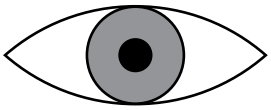
6



Dry the component.
Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following:

- Hospital-grade clean air
- A clean, lint-free cloth

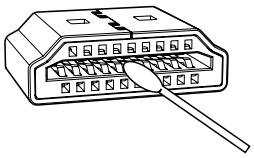
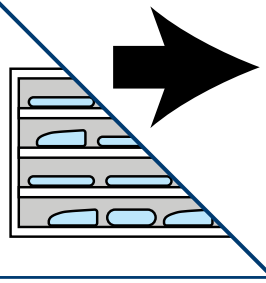
7



Examine the component to make sure it is not damaged. Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

Note: Handle the component carefully to avoid recontamination.

8		**Clean the HDMI connector** (Smart Cable only). Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.
9		**Disinfect or sterilize the component** (optional). To disinfect, continue to Disinfecting a Video Cable or Smart Cable (Optional) on page 183. To sterilize, continue to Sterilizing a Video Cable or Smart Cable (Optional) on page 196. Otherwise, store the component in a clean environment (if it will not remain in use).

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.

Reference Information (Liquids)

Verathon has validated the products in this table for both chemical compatibility and biological efficacy when cleaning the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 45. Cleaning Solutions for Video Cables and Smart Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
ASP CIDEZYME/ ENZOL Enzymatic Detergent	Cleaning	Core Video Cable	1500	**Exposure:** Prepare the cleaning solution in lukewarm water at a concentration of 8–16 mL per L (1–2 U.S. fluid ounces per U.S. gallon). Immerse the component, including its connectors, and allow it to soak for 1–3 minutes. Use a soft bristled brush to clean the component while it is still immersed. **Rinse** the component for 3 minutes under running tap water, making sure that its connectors are rinsed properly. **Return to the previous procedure** and complete the remaining steps there.
		Core Smart Cable		

Table 45. Cleaning Solutions for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Getinge Tec Wash III	Cleaning	Titanium Video Cable	3000	**Exposure:** Prepare the cleaning solution at a temperature of 20–40°C (68–104°F) and a concentration of 2–8 mL per L (0.25–1 U.S. fluid ounce per U.S. gallon). Soak the component for 3 minutes, brushing all of its surfaces. **Rinse** the component for 3 minutes under running water. **Return to the previous procedure** and complete the remaining steps there.
STERIS Prolystica 2X Concentrate Enzymatic Presoak and Cleaner	Cleaning	Titanium Video Cable	3000	**Exposure:** Prepare the cleaning solution at a temperature of 35˚C±5˚C and a concentration of a concentration of 1–4 mL per L (0.125–0.5 U.S. fluid ounce per U.S. gallon). Soak the component for at least 3 minutes. Before removing the component from the solution, brush all of its surfaces using a soft-bristled brush, paying special attention to hard-to-reach areas. **Rinse** the component for 3 minutes under warm running water. If the component soaks for longer than 3 minutes, increase the rinse time in proportion to the soak time. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	

Table 45. Cleaning Solutions for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Metrex EmPower	Cleaning	Titanium Video Cable	3000	**Exposure:** Prepare the cleaning solution at a temperature of 19–29°C (66–84°F) and a concentration of 7.8 mL per L (1 U.S. fluid ounce per U.S. gallon). Soak the component for 3 minutes. Before removing the component from the solution, brush all of its surfaces. Pay special attention to hard-to-reach areas. **Rinse** the component for 3 minutes under running water. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
Ecolab OptiPro Multi-Enzymatic Low-Foam Detergent	Cleaning	Titanium Video Cable	3000	**Exposure:** Prepare the cleaning solution at a concentration of 3.9–15.6 mL per L (0.5–2 U.S. fluid ounces per U.S. gallon). Soak the component for 2–5 minutes. After soaking the component, brush all of its surfaces with a soft-bristled brush to remove any visible contamination. **Rinse** the component for 3 minutes under cold running water, brushing all of its surfaces with a soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	

Table 45. Cleaning Solutions for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Metrex CaviCide	Cleaning	Titanium Video Cable	3000	**Exposure:** Using the cleaning solution at a temperature of 33–40°C (91–104°F) and at full strength, spray all surfaces of the component until they are drenched. Allow the component to remain wet for 5 minutes while you brush all of its surfaces. Rinse the component under running water for 3 minutes, and then use the cleaning solution to spray all surfaces of the component again until they are drenched. Allow the component to remain wet for 10 minutes. **Rinse** the component under running water for 5 minutes, and then immerse it completely in water and agitate it for 2 minutes. While it is still immersed, brush it with a soft-bristled brush. Remove the component from the water, and then flush its connectors with a syringe and running water. Immerse the component completely in **fresh** water and agitate it for 2 minutes. Rinse the component under running water for 1 minute. **Return to the previous procedure** and complete the remaining steps there.

Table 45. Cleaning Solutions for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Metrex CaviCide (continued)	Cleaning	Spectrum Smart Cable	1500	**Exposure:** Using the cleaning solution at a temperature of 33–40°C (91–104°F) and at full strength, spray all surfaces of the component until they are drenched. Allow the component to remain wet for 10 minutes while you brush all of its surfaces. Rinse the component under running water for 5 minutes, and then use the cleaning solution to spray all surfaces of the component again until they are drenched. Allow the component to remain wet for 10 minutes. **Rinse** the component under running water for 5 minutes, and then immerse it completely in water and agitate it for 3 minutes. While it is still immersed, brush it with a soft-bristled brush. Remove the component from the water, and then flush its connectors with a syringe and running water. Immerse the component completely in **fresh** water and agitate for 3 minutes. Rinse the component under running water for 2 minutes. **Return to the previous procedure** and complete the remaining steps there.

Table 45. Cleaning Solutions for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Pro-Line EcoZyme/ Southmedic EcoZyme Ultra	Cleaning	Titanium Video Cable	3000	**Exposure:** Prepare the cleaning solution at 7.8 mL per L (1 U.S. fluid ounce per U.S. gallon) in 30–40°C (86–104°F) water. Soak the component for 5 minutes. Before removing it from the solution, brush all of its surfaces. Pay special attention to hard-to-reach areas. Use a syringe to flush the connectors on the component. **Rinse** the component for 5 minutes under running water at 19–29°C (66–84°F). Use a syringe to flush its connectors. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Notes

Cleaning a Video Cable or Smart Cable (Using Wipes)

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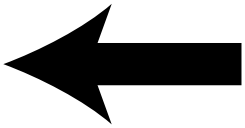
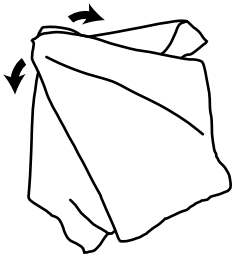


You must prepare the component before you clean it.

For instructions, see Preparing a Video Cable or Smart Cable for Cleaning on page 167.

1

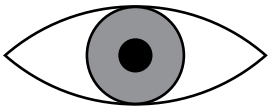


Wipe down the component.

Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.

For specific instructions, see Table 46 on page 180. (This information varies depending on which wipes you use.)

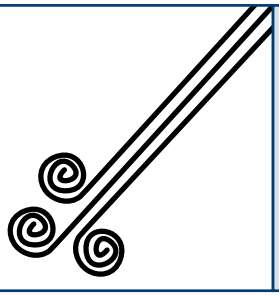
2



Examine the component to make sure all visible contamination has been removed.

If any visible contamination remains, return to Step 1.

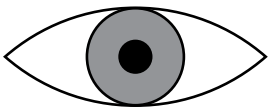
3



Dry the component.

Allow it to air dry thoroughly.

4

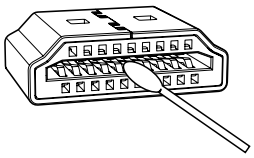


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

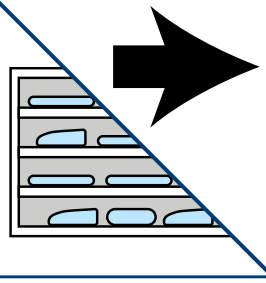
If you see any actual damage, do not use the component. Contact Verathon Customer Care.

5



Clean the HDMI connector (Smart Cable only).
Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.

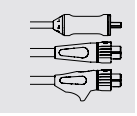
6



Disinfect or sterilize the component (optional).
To disinfect, continue to Disinfecting a Video Cable or Smart Cable (Optional) on page 183.
To sterilize, continue to Sterilizing a Video Cable or Smart Cable (Optional) on page 196.
Otherwise, store the component in a clean environment (if it will not remain in use).

CAUTION

Do not return system components to their storage locations until they have been thoroughly cleaned, and disinfected or sterilized if appropriate. Returning contaminated components to these locations increases the risk of infection.



Reference Information (Wipes)

Verathon has validated the products in this table for both chemical compatibility and biological efficacy when cleaning the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 46. Cleaning Wipes for Video Cables and Smart Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Tristel Trio Wipes System	Cleaning	Titanium Video Cable	3000	**Exposure:** Use 2 or more pre-cleaning towelettes to remove all visible contamination from the component. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
Metrex CaviWipes	Cleaning	Titanium Video Cable	3000	**Exposure:** Remove all visible contamination from the component. Use fresh towelettes to wet all surfaces on the component and keep them wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
Metrex CaviWipes1	Cleaning	Titanium Video Cable	3000	**Exposure:** Use 3 or more towelettes to remove all visible contamination from the component. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	

Table 46. Cleaning Wipes for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
PDI Sani-Cloth Bleach Germicidal Disposable Wipes	Cleaning	Titanium Video Cable	1500	**Exposure:** Use a fresh wipe to remove any heavy soil, and then use a new wipe to wet all surfaces of the component thoroughly. Keep all surfaces of the component visibly wet for at least 4 minutes, using additional wipes as needed. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable		
WIP'ANIOS PREMIUM	Cleaning	Titanium Video Cable	3000	**Exposure:** Use a new wipe to remove all visible contamination from the component, and then use fresh wipes to wet all surfaces of the component. Use additional wipes as needed to keep the component visibly wet for 5 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
Clinell Universal Wipes	Cleaning	Titanium Video Cable	3000	**Exposure:** Use a new wipe to remove all visible contamination from the component, and then use fresh wipes to wet all surfaces of the component. Use additional wipes as needed to keep the component visibly wet for 5 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	

Table 46. Cleaning Wipes for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
PDI Sani-Cloth Active Wipes	Cleaning	Titanium Video Cable	3000	**Exposure:** Use a new wipe to remove all visible contamination from the component, and then use fresh wipes to wet all surfaces of the component. Use additional wipes as needed to keep the component visibly wet for 5 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
PDI Sani-Cloth AF3 Germicidal Disposable Wipes	Cleaning	Titanium Video Cable	3000	**Exposure:** Use a new wipe to remove all visible gross soil, and then use fresh wipes to wet all surfaces of the component. Use additional wipes as needed to keep the component visibly wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Core Video Cable	1500	
		Spectrum Smart Cable	1500	
		Core Smart Cable	1500	

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 3. Disinfecting a Video Cable or Smart Cable (Optional)

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

Please read the Warnings & Cautions section before performing the following task.

Follow this procedure to disinfect a video cable or Smart Cable.

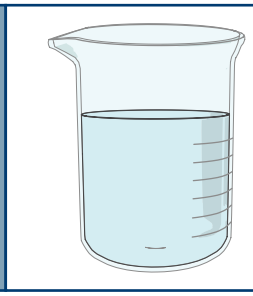
Before You Begin

Before disinfecting the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the previous section, Cleaning a Video Cable or Smart Cable.
- Do **not** attempt to place protective caps over the connectors on video cables or Smart Cables. These components are designed to be immersed completely without the use of any protective caps, and Verathon does not provide caps for them.

Disinfecting a Video Cable or Smart Cable (Using a Liquid)

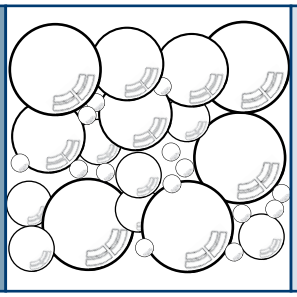
1



Prepare the disinfectant solution.

For concentration, temperature, and other preparation instructions, see Table 47 on page 186.

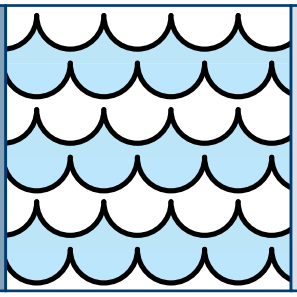
2



Expose the component to the disinfectant solution.

For exposure time, temperature, and other specific instructions, see Table 47 on page 186. (This information varies depending on which disinfectant you use.)

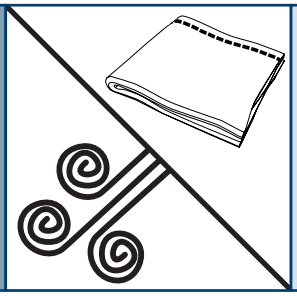
3



Rinse the component to remove the disinfectant solution.

For rinse time, temperature, and other rinsing instructions, see Table 47 on page 186. (This information varies depending on which disinfectant you use.)

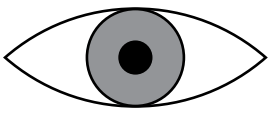
4



Dry the component.
Use hospital-grade clean air to blow remaining moisture out of the connectors, and then dry the component using one of the following:

- Hospital-grade clean air
- A clean, lint-free cloth

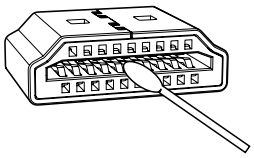
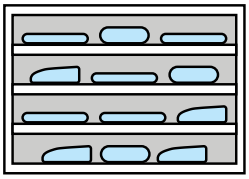
5



Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

6		**Clean the HDMI connector** (Smart Cable only). Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.
7		**Store the component** in a clean environment (if it will not remain in use).

Reference Information (Liquids)

Verathon has validated the products in Table 47 for both chemical compatibility and biological efficacy when disinfecting the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

IMPORTANT

When applying high-level disinfection to a video cable or Smart Cable, you may use a Cantel (MEDIVATORS) CER Optima 1 & 2 AER, DSD-201 AER, or SSD-102 AER system, provided that you meet the following requirements:

- Use an approved high-level disinfectant from Table 47.
- Use a disinfectant that is compatible with the Cantel system. For more information about chemical compatibility, contact Cantel.
- Follow the processing conditions provided in Table 47, including temperature, exposure, and concentration, for the disinfectant you use.
- Do not expose the component to temperatures exceeding 60°C (140°F) on any cycle.

In the following table, the term *pure water* refers to water that is suitable for disinfection according to local regulations and your medical facility.

Table 47. Disinfection Solutions for Video Cables and Smart Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
STERIS S40 or S20	High	Titanium Video Cable	600	Use standard cycles in the following processors: SYSTEM 1E (in U.S.) STERIS SYSTEM 1 (outside U.S.) SYSTEM 1 EXPRESS (outside U.S.) SYSTEM 1 PLUS (outside U.S.) **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	750	

Table 47. Disinfection Solutions for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
STERIS Resert XL HLD† Revital-Ox Resert XL HLD† Revital-Ox Resert HLD/ Chemosterilant†	High	Titanium Video Cable	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 8 minutes, ensuring that all air bubbles are removed from its surfaces. **Rinse:** Immerse the component once, for 1 minute, with agitation in pure water. Ensure that the connector is properly rinsed. **Return to the previous procedure** and complete the remaining steps there.
ASP CIDEX OPA Disinfectant	High	Titanium Video Cable	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 10 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
		Core Video Cable	1500	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength, after confirming the concentration with CIDEX OPA test strips. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Use a fresh batch of pure water for each immersion. **Return to the previous procedure** and complete the remaining steps there.
		Core Smart Cable	1500	
Metrex MetriCide OPA Plus	High	Titanium Video Cable	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 10 minutes, ensuring that all air bubbles are removed from its surfaces. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	

Table 47. Disinfection Solutions for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Cantel (MEDIVATORS) Rapicide OPA/28	High	Titanium Video Cable	3000	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 10 minutes, ensuring that all air bubbles are removed from its surfaces. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
Anios OPASTER'ANIOS/ Farmec OPASTER	High	Titanium Video Cable	3000	**Exposure:** Soak the component at room temperature for 30 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Ensure that any exposed connectors are rinsed properly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
		Core Video Cable	1500	**Exposure:** Soak the component at a temperature of 20°C (68°F) or higher for 12 minutes, ensuring that all air bubbles are removed from its surfaces. Use the solution at full strength, after confirming the concentration with CIDEX OPA test strips. **Rinse:** Immerse the component in pure water 3 times, for 1 minute each time, with agitation. Ensure that any exposed connectors are rinsed properly. **Return to the previous procedure** and complete the remaining steps there.
		Core Smart Cable	1500	

Table 47. Disinfection Solutions for Video Cables and Smart Cables (continued)

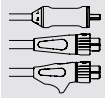
PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Metrex MetriCide 28†	High	Titanium Video Cable	3000	**Exposure:** Soak the component for 20 minutes at 25°C (77°F), ensuring that all air bubbles are removed from its surfaces. **Rinse** the component in pure water at 33–40°C (91–104°F). Immerse it 3 times, for 1 minute each time, while agitating, flushing, and brushing with a sterile, soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.
Sultan Healthcare Sporox II	High	Titanium Video Cable	3000	**Exposure:** Soak the component for 30 minutes at 20°C (68°F), ensuring that all air bubbles are removed from its surfaces. After the 30-minute soak, flush connectors and other recesses on the component, and then brush the component with a sterile, soft-bristled brush. After flushing and brushing the component, soak it for an additional 30 minutes. **Rinse** the component in pure water at 33–40°C (91–104°F). Immerse it 3 times, for 3 minutes each time, while flushing and brushing with a sterile, soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.

Table 47. Disinfection Solutions for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
ASP CIDEX Activated Dialdehyde Solution (ADS)	High	Titanium Video Cable	3000	**Exposure:** Soak the component for 45 minutes at 25°C (77°F), ensuring that all air bubbles are removed from its surfaces. **Rinse** the component in pure water at 33–40°C (91–104°F)**.** Immerse it 3 times, for 1 minute each time, while agitating, flushing, and brushing with a sterile, soft-bristled brush. **Return to the previous procedure** and complete the remaining steps there.
Cantel (MEDIVATORS) Rapicide PA 30°C	High	Titanium Video Cable	100	**Concentration:** 850±100 parts per million **Exposure:** Process the component for 5 minutes at 30°C (86°F) in a Cantel Advantage Plus or DSD Edge AER system with the following configuration: • Hookup: 2-8-002HAN Rev. B • Parameter: 1-24-010 C DISF **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	100	

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

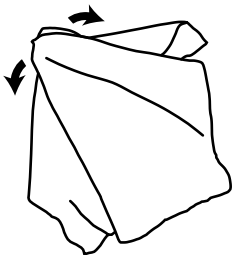
† *This chemical may cause discoloration of metal components, but the discoloration does not affect system efficacy or functionality.*



Notes

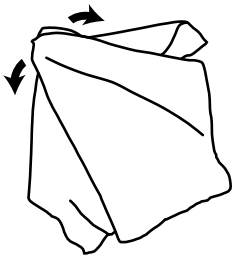
Disinfecting a Video Cable or Smart Cable (Using Wipes)

1



Wipe down the component.
Wipe again as many times as necessary to keep the component visibly wet for the entire exposure period. You may use as many wipes as you need.
For specific instructions, see Table 48 on page 194. (This information varies depending on which wipes you use.)

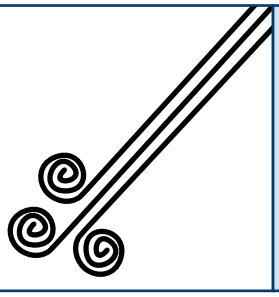
2



Rinse the component to remove any disinfectant residue, if necessary.

To determine whether rinsing is required with the wipes you use, see Table 48 on page 194.

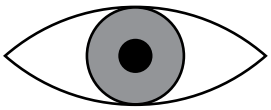
3



Dry the component.

Allow it to air dry thoroughly.

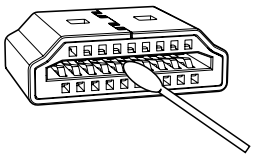
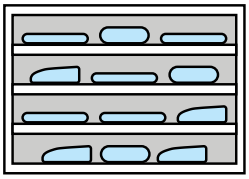
4



Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

If you see any actual damage, do not use the component. Contact Verathon Customer Care.

5		**Clean the HDMI connector** (Smart Cable only). Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.
6		**Store the component** in a clean environment (if it will not remain in use).

Reference Information (Wipes)

Verathon has validated the products in Table 48 for both chemical compatibility and biological efficacy when disinfecting the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 48. Disinfection Wipes for Video Cables and Smart Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
PDI Sani-Cloth Bleach Germicidal Disposable Wipes	Low	Titanium Video Cable	1500	**Exposure:** Use a new wipe to remove all visible gross soil, and then use fresh wipes to wet all surfaces of the component. Use additional wipes as needed to keep the component visibly wet for 4 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
PDI Sani-Cloth AF3 Germicidal Disposable Wipes	Low	Titanium Video Cable	3000	**Exposure:** Wet all surfaces of the component and keep them wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
		Core Video Cable	1500	
		Core Smart Cable	1500	

Table 48. Disinfection Wipes for Video Cables and Smart Cables (continued)

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
Clinell Universal Wipes	Low	Titanium Video Cable	3000	**Exposure:** Wet all surfaces of the component and keep them wet for 6 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
Clorox Bleach Germicidal Wipes	Low	Titanium Video Cable	3000	**Exposure:** Wet all surfaces of the component and keep them wet for 3 minutes. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
Metrex CaviWipes1	Low	Titanium Video Cable	3000	**Exposure:** Wet all surfaces of the component and keep them wet for 1 minute. **Dry:** Allow the component to air dry thoroughly. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	
Tristel Trio Wipes System	High	Titanium Video Cable	3000	**Exposure:** Apply 2 pumps of the activator foam to a sporocidal towelette, and then knead the foam into the towelette for 15 seconds. Wet all surfaces of the component and allow it to remain wet for 30 seconds. **Rinse:** Use a rinse towelette to wipe all surfaces of the component. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	1500	

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Procedure 4. Sterilizing a Video Cable or Smart Cable (Optional)

WARNING

Make sure each component is completely clean before you disinfect or sterilize it. If it is not, the disinfection or sterilization procedure may not remove all contamination. This increases the risk of infection.

CAUTION

Do not expose any system component to temperatures above 60°C (140°F), and do not use autoclaves or other heat sterilization systems, except as described in this manual. Exposure to excess heat causes permanent device damage and voids the warranty.

Please read the Warnings & Cautions section before performing the following tasks.

Sterilization of the video cable or Smart Cable is optional. However, your medical care facility or provider may require you to sterilize these components before using them. Follow this procedure to sterilize a video cable or Smart Cable.

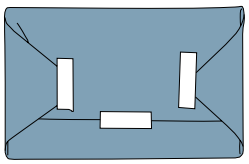
Before You Begin

Before sterilizing the component, make sure to do the following things:

- Clean the component according to the instructions and standards in the earlier section, Cleaning a Video Cable or Smart Cable.
- Inspect the component after cleaning, as specified in the section Cleaning a Video Cable or Smart Cable. If it is damaged beyond the level of normal wear, do not use it again. Instead, contact Verathon Customer Care.
- Do **not** attempt to place protective caps over the connectors on video cables or Smart Cables. These components are designed to be sterilized without the use of any protective caps, and Verathon does not provide caps for them.

Sterilizing a Video Cable or Smart Cable

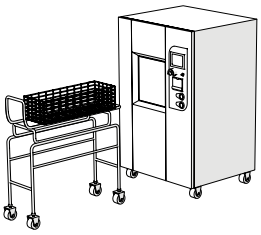
1



Package the component in a pouch, wrap, or other enclosure, if appropriate.

For the appropriate type of package for your sterilization system, see the manufacturer's instructions and Table 49 on page 199.

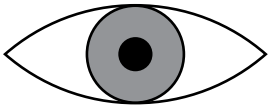
2



Sterilize the component.

For compatible cycle settings and other specific information, see Table 49 on page 199. For additional information, see the manufacturer's instructions for the sterilization system.

3

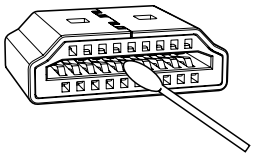


Examine the component to make sure it is not damaged.

Metal discoloration and minor scratches are part of normal wear and tear.

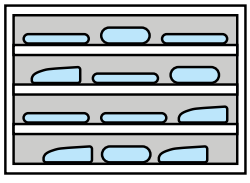
If you see any actual damage, do not use the component. Contact Verathon Customer Care.

4

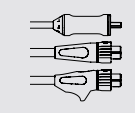


Clean the HDMI connector (Smart Cable only).
Use a small cotton swab moistened with isopropyl alcohol to clean the contacts on the HDMI connector.

5



Store the component in an environment that is suitable for sterile equipment (if it will not remain in use).



Reference Information

Verathon has validated the products in this table for both chemical compatibility and biological efficacy when sterilizing the indicated component(s) as instructed in the Conditions column.

IMPORTANT

Concentrations, temperatures, times, and specific directions shown in the following table are based on testing performed by Verathon. If this information is different from the manufacturer's instructions for the reprocessing product you are using, follow the information shown in the table.

IMPORTANT

For a complete list of compatible reprocessing products, see the table at verathon.com/service-and-support/glidescope-reprocessing-products.

Table 49. Sterilization Products for Video Cables and Smart Cables

PRODUCT	DISINFECTION LEVEL	COMPONENT	CYCLES*	CONDITIONS
STERIS S40 or S20	Sterilization	Titanium Video Cable	600	Use standard cycles in the following processors: SYSTEM 1E (in U.S.) STERIS SYSTEM 1 (outside U.S.) SYSTEM 1 EXPRESS (outside U.S.) SYSTEM 1 PLUS (outside U.S.) No packaging is required. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	750	
STERIS V-PRO systems with Vaprox HC	Sterilization	Titanium Video Cable	125	Insert the component into a Tyvek pouch, and then use the non-lumen cycle in any STERIS Amsco V-PRO low-temperature sterilization system. **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	100	
ASP Hydrogen Peroxide Gas Plasma	Sterilization	Titanium Video Cable	125	Insert the component into a Tyvek pouch, and then sterilize it in one of the following processors: STERRAD 100S (in U.S.) STERRAD 100S short cycle (outside U.S.) STERRAD NX standard cycle STERRAD 100NX standard cycle STERRAD 50 STERRAD 200 short cycle **Return to the previous procedure** and complete the remaining steps there.
		Spectrum Smart Cable	100	

* *Value indicates number of compatibility cycles tested on the component. Exceeding the recommended number of cycles may affect the potential life of the product.*

Glossary

The following table provides definitions for specialized terms used in this manual or on the product itself. For a full list of caution, warning, and informational symbols used on this and other Verathon products, please refer to the Verathon Symbol Directory at verathon.com/service-and-support/symbols.

TERM	DEFINITION
AER	Automated endoscope reprocessor
C	Celsius
CFR	Code of Federal Regulations (U.S.)
cm	Centimeter
CSA	Canadian Standards Association
DL	Direct laryngoscopy
Essential performance	The system performance necessary to achieve freedom from unacceptable risk
F	Fahrenheit
g	Gram
HDMI	High-definition multimedia interface
hPa	Hectopascal
in	Inch
IPA	Isopropyl alcohol
ISO	International Standards Organization.
kPa	Kilopascal
L	Liter
lbs	Pounds
m	Meter
mL	Milliliter
mm	Millimeter
mmHg	Millimeters of mercury
MSDS	Material Safety Data Sheet
OSHA	Occupational Safety and Health Administration (federal agency in U.S.)
psia	Pounds per square inch absolute
reprocessing	Preparing a reusable component for its next use. Reprocessing includes cleaning, disinfection, and sterilization as appropriate.
RH	Relative humidity
SDS	Sodium dodecyl sulphate

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