

APA™ VIDEO LARYNGOSCOPE AND ACCESSORIES CLEANING AND DISINFECTION GUIDELINES

1. CLEANERS

The cleaning solutions listed below are approved for use with the APA™ Video Laryngoscope. AAM Healthcare Inc has attained the information from Material Safety Data Sheets (MSDS), Chemical Resistance Data Sheets, manufacturers' and third party websites. Please follow the use of these cleaning solutions in accordance with the manufacturer's instructions.

AAM Healthcare Inc shall not be held liable for any damage to the APA™ Video Laryngoscope resulting from any variations in the chemical composition of the cleaning products.

Name of Cleaner	Manufacturer	Name of Cleaner	Manufacturer
ACRYLAN	Antiseptica	INSTRUZYM	Laboratorium Dr Deppe
AMPHOLYSINE 4000	Laboratoires Stéridine	INSTRUZYME	Laboratoires Stéridine
AMPHOLYSINE PLUS	Laboratoires Stéridine	KORSOLEX BASIC	Bode-Chemie
ANIOSYME PLA	Laboratoires Anios	KORSOLEX READY TO USE	Bode-Chemie
ANIOSYME PLA II	Laboratoires Anios	METRICIDE 14	Metrex Research Corporation
ASEPTI-WIPE II	Ecolab	METRICIDE 28	Metrex Research Corporation
BIGUACID PLUS	Antiseptica	METRICIDE OPA	Metrex Research Corporation
CETYLCIDE-G	Cetylite Industries	METRICIDE PLUS 30	Metrex Research Corporation
CIDEZYME	Johnson & Johnson	METRIZYME	Metrex Research Corporation
CLEANSINALD	Johnson Diversey	MICRO-CIDE 28 HLD	Microscientific Industries
CLEANISEPT WIPES	Dr. Schumacher GmbH	OMNICIDE 28 HLD	Metrex Research Corporation
CLINELL SPORICIDAL	Gama Healthcare	PHAGOGERMYL SPRAY +	Laboratoires Phagogene
CLINELL UNIVERSAL SANITISING WIPES	Gama Healthcare	PHAGOSEPT	Laboratoires Phagogene
COECIDE XL PLUS	GC America	PHAOSURF	Laboratoires Phagogene
COVERAGE SPRAY TB PLUS	Steris	PROCIDE-D	Metrex Research Corporation
DETERGEZYME	Metrex Research Corporation	PROCIDE-D PLUS	Metrex Research Corporation
DIACIDE	Aiden Medical	SANI CLEAN S1 SPRAY	Johnson Diversey
EMPOWER	Metrex Research Corporation	SANI-CLOTH ACTIVE	PDI
ENDOSTAR	Laboratorium Dr Deppe	SANI-CLOTH CHG 2%	PDI
ENDOZYME	Ruhof	SANI-CLOTH HB	PDI
ENVIRON LpH se	Steris	SANI-CLOTH PLUS	PDI
ENZOL	Advanced Sterilisation Products	SEKULYSE	Ecolab
ENZYMEX L9	Franklab	SPRINT DS 5001	Johnson Diversey
ENZYMEX P	Franklab	SURFANIOS	Laboratoires Anios
ETHYLENE OXIDE (ETO)	Various	TERRALIN PROTECT	Schülke & Mayr GmbH
FIRSTSINALD	Johnson Diversey	TFD 9	Franklab
HEXANIOS G+R	Laboratoires Anios	TRIONIC	Ebiox
HEXAQUART S	B. Braun Medical	VIREX	Johnson Diversey
HOSPEC pH NEUTRAL DETERGENT	Hospec	VIREX 256	Johnson Diversey
INCIDIN PLUS	Ecolab		

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2. DISINFECTANTS

A list of registered disinfectants can be obtained from the U.S. Environmental Protection Agency (EPA) website: <http://www.epa.gov/oppad001/chemregindex.htm>. It is necessary to use a suitable disinfectant in accordance with the manufacturer's instructions in order for it to be effective.

► Compatibility with Isopropyl Alcohol (IPA)

IPA is commonly used as a disinfectant and by nature has a rapid evaporation rate as well as low residue formulation. The use of IPA should not cause any functional defects to the APA™ Video Laryngoscope.

The following disinfectants have relatively high IPA content. It is recommended to conduct appropriate tests due to substantial or unknown levels of IPA. Please follow the use of these disinfectants in accordance with the manufacturer's instructions.

Name of Disinfectant	Manufacturer
ALCOPAD	CleanTex
CAVIWIPES	Metrex Research Corporation
GIGASEPT INSTRU AF	Schülke & Mayr GmbH
SUPER SANI-CLOTH	PDI

► Compatibility with Oxidizing Agents and Corrosive Substances

The following disinfectants use active ingredients that are likely to contain oxidizing agents and/or corrosive substances. It is recommended to conduct appropriate tests before using with the APA™ Video Laryngoscope.

Name of Disinfectant	Manufacturer	Active Ingredient
ADASPOR	Minntech	Peracetic Acid
ALCIDE	Alcide Corporation	Sodium Chlorite
ATOUTVERT	SA Salveco	Hydrogen Peroxide
COMPLIANCE	Metrex Research Corporation	Hydrogen Peroxide & Peracetic Acid
CLOROX (Wipes)	Clorox	Ethylene Glycol Monoethyl Ether
DISPATCH	Caltech Industries Inc.	Sodium Chlorite
HAZ TABS	Inverclyde Biologicals	NaDCC (Chlorine)
HYDROGEN PEROXIDE	Swan	Hydrogen Peroxide
NU-CIDEX	Advanced Sterilisation Products	Hydrogen Peroxide & Peracetic Acid
PRESEPT	Johnson and Johnson	Sodium Dichloroisocyanurate
PERA-VAPO	Franklab	Hydrogen Peroxide & Peracetic Acid
SPORAX II	Sultan Healthcare	Hydrogen Peroxide
TRISTEL (Foam)	Tristel	Sodium Chlorite
TRISTEL (Wipes)	Tristel	Chlorine Dioxide
VERTVECO	SA Salveco	Hydrogen Peroxide
Various brands		Accelerated Hydrogen Peroxide (below concentrations of 7.5%)

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3. STERILISATION GUIDELINES (LOW TEMPERATURE)

The following information are guidelines for sterilising the APA™ Video Laryngoscope. It should, however, be noted that the medical institution's protocol for sterilisation takes precedence over these guidelines.

Do not sterilise the APA™ Video Viewer.
Failure to use approved guidelines may void the product's warranty.

The Handle and Camera Modules, excluding the Video Viewer, are approved for the following STERIS® low temperature sterilisers up to 100 cycles. The components should be cleaned prior to sterilisation. For instructions on how to clean, refer to section 4.2 of the APA™ Video Laryngoscope Instructions For Use (IFU).

V-PRO® 1
 V-PRO® 1 Plus
 V-PRO® maX
 V-PRO® 60

V-PRO Steriliser Cycle Parameters			
V-PRO Steriliser and Sterilisation Cycle	Sterilant Exposure (Min)	Pre-injection pressure (Torr)	Cycle Time (Min)
V-PRO® Standard Cycle, V-PRO® 1 Plus Lumen Cycle, V-PRO® maX Lumen Cycle	32.0	0.4	55.0
V-PRO® 60 Lumen Cycle	35.6-39.2		60.0
V-PRO® 1 Plus Non Lumen Cycle, V-PRO® maX Non Lumen Cycle	12.0	1.0	28.0
V-PRO® 60 Non Lumen Cycle	11.4-12.6		
V-PRO® maX Flexible Cycle	12.0	0.4	35.0
V-PRO® 60 Flexible Cycle	13.0-15.2		38.0

- V-PRO® 1/ 1 Plus/ maX cycles use 2.1g sterilant injection of VAPROX HC sterilant (~59% H₂O₂ Solution) each sterilisation pulse, with 4 sterilisation pulses per cycles, and a 50°C chamber temperature. V-PRO® 60 cycles use a 1.1g sterilant injection of VAPROX HC sterilant (~59% H₂O₂ Solution) each sterilisation pulse, with 4 sterilisation pulses per cycles, and a 50°C chamber temperature. The volume of the V-PRO® 60 steriliser chamber is small than that of the V-PRO® maX steriliser, therefore less sterilant is injected.
- The steriliser physical components are the same between the V-PRO® 1/ 1 Plus/ maX Sterilisers excepting cabinetry differences for the V-PRO maX steriliser which have no impact on sterilisation cycle execution or performance. The same chamber and sterilant delivery system is used for the V-PRO 1/ 1 Plus/ maX Sterilisers. The V-PRO® 60 chamber is smaller, and the sterilant delivery system is the same as the V-PRO 1/ 1 Plus/maX sterilisers.
- The V-PRO® 60 Flexible Cycle is for flexible devices only and is not labeled for mixed loads.

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4. APA IP SHIELD™

Disinfectant wipes can be used to wipe down the APA™ Video Laryngoscope as well as on the APA IP Shield™ (when device is fitted with one) prior to a procedure will aid in reducing bioburden levels.

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