# Cleaning and disinfection guide

Infection control for dental practices and laboratories



After every use, after

every patient visit.

what?	which?	why?	how?	when?	who?
What is due for cleaning or disinfection?	Which product should be used?	Why should the task be performed?	How should the task be performed? Including correct dosage and contact times	When should the task be performed?	Who should perform the task?*
INSTRUMENT CARE					
Manual instruments, tools and accessories including scalpels, forceps, excavators, etc.	ViroSonic	To remove heavy soiling and debris from manual instruments, including invasive, prior to disinfection or sterilisation To disinfect surfaces of manual instruments, including invasive, before sterilisation	<ul> <li>ViroSonic Ultrasonic Cleaner: 3% Concentrate (30ml to 970ml) 15 minutes contact time inside the ultrasonic bath.</li> <li>ViroTech Instrument Disinfectant: 2% or 4% Concentrate, use 4% to achieve full efficacy (40ml to 960ml) 60 minutes contact time inside an instrument bath.</li> <li>Quantum Instrument Disinfectant Powder: 2% Concentrate (20g to 1 litre of warm water) 30 minutes contact time inside an instrument bath.</li> <li>Wet cleaning and disinfection of instruments: Ensure that joints or hinges are opened fully and instruments that need taking apart are fully disassembled before they are immersed in the solution.</li> <li>Place instruments in a suspended basket and fully immerse in the cleaning solution, ensuring that all surfaces are in contact with the solution. Set a timer to the correct setting, respecting the stated contact time. Close the lid and do not open until the cycle is complete.</li> <li>Change the solution when it becomes heavily contaminated or otherwise at the end of every clinical session, because the build-up of debris will reduce the effectiveness of cleaning.</li> <li>Rinse and inspect instruments for cleanliness, and where possible check for any wear or damage before sterilization.</li> </ul>	After use with a patient and with heavily soiled instruments. Use prior to disinfection. After every use. After any contamination. After contact with anything unsterilised. Prior to sterilization. After contact with anything unsterilised. Prior to sterilization.	
Rotating instruments including drills, burs, diamonds and polishers.	ViroTorq	To disinfect surfaces of invasive rotating instruments before sterilisation	ViroTorq Rotary Instrument Disinfectant: Ready to use solution. 5 minute minimum soaking time, soak for 30 minutes to achieve full efficacy Repeat steps outlined above for wet cleaning and disinfection, inside a bur or instrument bath.	After every use. After any contamination. After contact with anything unsterilised.	
SURFACE CARE					

#### SURFACE CARE



Sensitive medical device objects and smaller surfaces, eg chairs and alcohol sensitive equipment



ViroSurf Zero Wipes



To disinfect medical device surfaces after possible contamination that are sensitive to alcohol and that are impossible to disinfect with immersion or thermally.  $ViroSurf Zero Eco-Cartridge: Cartridge based concentrate (1 <math display="inline">\times$  8ml cartridge to 500ml)

ViroSurf Zero Wipes and Spray: Ready to use pre saturated wet wipes and spray.

30 second minimum contact time, leave for 2 minutes to achieve full efficacy

Restrict use of spray disinfectant to unreachable areas that are unable to be easily wiped.

Ensure thorough wetting of surface, respect stated contact time and allow surface to dry naturally.

	ViroSurf Zero				
Alcohol resistant medical device objects and smaller surfaces eg, worktops, equipment, fixtures and fittings.	<image/>	To disinfect medical device surfaces after possible contamination that are resistant to alcohol and that are impossible to disinfect with immersion or thermally.	<ul> <li>ViroSurf Wipes and Spray: Ready to use pre saturated wet wipes or spray. 60 second contact time.</li> <li>Restrict use of spray disinfectant to unreachable areas that are unable to be easily wiped.</li> <li>Ensure thorough wetting of surface, respect stated contact time and allow surface to dry naturally.</li> </ul>	After every use, after every patient visit.	
General use objects and surfaces, eg shelving, desks, waiting room chairs.	ViroPure	To clean and remove dirt from general non medical device surfaces around the practice.	ViroPure Detergent Wipes: Ready to use pre saturated wet wipe. Clean surfaces with an appropriate wet wiping method. No need to rinse or wipe dry, allow surface to dry naturally Re-use the surfaces when they are visibly dry.	Daily, usually at the end of the working day. Repeat more often if necessary.	

#### SPECIAL AREA CARE

Aspirator/Suction systems including wet line, dry line and semi wet/dry line systems.	ViroVent 365   ViroVent 52	To clean, disinfect and remove pathogens from internal pipe work structure to ensure continuous safe use of system for patients. To remove heavy dirt and debris build up from internal pipe work structure to ensure no blockages and continuous safe use of system for patients.	<ul> <li>ViroVent 365 Aspirator: 2% Concentrate (20ml to 980ml)</li> <li>15 minute minimum soaking time, leave for 60 minutes to achieve full efficacy</li> <li>ViroVent 52 Aspirator: 5% Concentrate (50ml to 950ml)</li> <li>30 minutes soaking time</li> <li>Aspirate concentrated solution via the high and low volume suction tubes. Leave solution inside tubes and respect stated contact times. Rinse tubes thoroughly with clean water before reuse.</li> </ul>	Use ViroVent 365 Aspirator each day, usually at the end of a clinical session. Use ViroVent 52 Aspirator once per week.	
All types of dental Impressions, including; silicones, alginates and polyester.	ViroImpress	Decontaminate and disinfect sensitive dental impressions to help protect the surface of the impression and the dental technicians from the transmission of dangerous pathogens.	ViroImpress Impression Disinfectant Powder: 2% Concentrate (20g to 980ml) 1 minute soaking time Place the impressions into the solution and fully immerse for the stated contact time. Do not exceed this recommended time. Rinse immediately with copious amounts of running water. Change the solution daily.	After removing the impression from the patients mouth once reaction time has passed, when laboratory receives impression from dental practice, before sending back to dental surgery.	
Dental waterlines, including those made from nylon, plastic and metal.	<section-header></section-header>	Decontaminate dental waterlines from debris and biofilm build up. Allowing free flow of water and ensuring continuous safe use for patients.	<ul> <li>ViroLine Waterline Cleaner: 2% Concentrate (20ml to 980ml of warm water) 20 minute soaking time. Safe to leave for longer, for example over a weekend.</li> <li>Switch off the air supply and disconnect. Empty the water bottle.</li> <li>Add cleaning solution at the correct dose and warm water to the water bottle. Reconnect the water bottle and restore the air supply.</li> <li>Purge each line to expel any residual air until the solution appears, leave solution in the lines and respect the stated contact time.</li> <li>Switch off air supply, remove the water bottle and discard any remaining contents. Rinse the water bottle thoroughly and refill with clean water.</li> <li>Reconnect the bottle, restore air supply and purge each line for at least 45 seconds. Use clean water to ensure all traces of cleaner solution are removed.</li> </ul>	Once per week, safe to leave inside lines over weekend.	

## SKIN AND HAND CARE



\* Add full name and signature of the person/s responsible to the "who?" column

Dilute concentrated solutions with clean cold water unless otherwise specified For full product details and MSDS please see virofex.com All information correct at time of publishing v1.0 2011

Perfection in Global Disinfection

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## Technical product information overview

Infection control for dental practices and laboratories

# Virofex<sup>®</sup>

product	actives	efficacy	regs	PPE	waste
Product name	Active ingredients	Effective spectrum	Regulatory information and test standards achieved	Personal protective equipment required	Waste management (according to local rules*)
INSTRUMENT CARE					
ViroSonic	Enzyme-Protease	N/A: Cleans only, does not disinfect.	Class I medical device EN 104: 2008 EN 15223-: 2016 EN ISO 14971: 2012 EN ISO 10993-1: October 2009	Safety glasses Protective gloves. Protective clothing	
ViroTech	Quaternary ammonium compound (Quats), Amine	<ul> <li>Bactericidal</li> <li>Yeasticidal</li> <li>Tuberculocidal</li> <li>Mycobactericidal</li> <li>Virucidal*</li> <li>*Against enveloped viruses including: Coronavirus, Hepatitis, Influenza, HIV, Herpesviridae, Filoviridae (which includes Ebola), Rubella, Rabies, Measles, and more.</li> <li>Also effective against non-enveloped viruses: Murine norovirus, Adenovirus 5.</li> </ul>	Class IIb medical device EN 14885: 2015 EN 13727: 2012 + A1:2013 EN 14476: 2013 EN 13624: 2013 EN 14561: 2006 EN 14562: 2006 EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1: October 2009	Safety glasses Nitrile gloves Protective clothing	
Quantum	Peracetic acid	<ul> <li>Bactericidal</li> <li>Yeasticidal</li> <li>Sporicidal</li> <li>Virucidal*</li> <li>*Against enveloped viruses including: Coronavirus, Hepatitis, Influenza, HIV, Herpesviridae, Filoviridae (which includes Ebola), Rubella, Rabies, Measles, and more.</li> <li>Also effective against non-enveloped viruses: Murine norovirus, Adenovirus 5.</li> </ul>	Class IIb medical device EN 14885: 2015 EN 13727: 2012 + A1:2013 EN 14476: 2013 EN 13624: 2013 EN 13704: 2002 EN 13697: 2015 EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1: October 2009	Safety glasses Nitrile gloves Protective clothing	
ViroTorq	Alcohols, Quaternary ammonium compound (Quats)	<ul> <li>Bactericidal</li> <li>Fungicidal</li> <li>Yeasticidal</li> <li>Viruses: HIV Influenza B virus.</li> </ul>	Class IIb medical device EN 14885: 2015 EN 13727: 2012 EN 1476: 2013 EN 13624: 2013 EN 14561: 2006 EN 14562: 2006 EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1: October 2009	Safety glasses Nitrile gloves Protective clothing	

SURFACE CARE

ViroSurf Zero Eco-Cartridge

Quaternary ammonium compound (Quats)

YeasticidalFungicidal

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Virucidal\*

Bactericidal

\*Against enveloped viruses including: Vaccinia, Coronavirus, Hepatitis, Influenza, HIV, Herpesviridae, Filoviridae (which includes Ebola), Rubella, Rabies, Measles, and more. Class IIa medical device EN 13727: 2012 EN 14476: 2005 EN 13624: 2003 EN 14348: 2005 EN 14348: 2015 EN 13704: 2002 EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1: October 2009

Safety glasses Nitrile gloves Protective clothing

ViroSurf Zero Wipes

<image/>					
<image/> <section-header></section-header>	Ethanol	<ul> <li>Bactericidal</li> <li>Yeasticidal</li> <li>Mycobactericidal</li> <li>Tuberculocidal</li> <li>Fungicidal</li> <li>Virucidal*</li> </ul> *Against enveloped viruses including: Vaccinia, Coronavirus, Hepatitis, Influenza, HIV, Herpesviridae, Filoviridae (which includes Ebola), Rubella, Rabies, Measles, and more. Also effective against non-enveloped viruses: Murine norovirus, Adenovirus 5.	Class IIa medical device EN 13727: 2012 EN 14476: 2013 EN 13624: 2013 EN 14885: 2015 EN 14348: 2005 EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1: October 2009	Safety glasses Nitrile gloves Protective clothing	
ViroPure	Surfactant	N/A: Cleans only, does not disinfect.	Non medical device	The wearing of protective gloves is recommended.	

### SPECIAL AREA CARE

ViroVent 365	Non foaming Quaternary ammonium compound (Quats)	<ul> <li>Bactericidal</li> <li>Yeasticidal</li> <li>Tuberculocidal</li> <li>Fungicidal</li> <li>Viruses: Hepatitis B virus Hepatitis C virus HIV</li> </ul>	Class IIa medical device BS EN 13727:2012 + A1:2013 EN 14885: 2015 EN 13624: 2013 EN 13697: 2015 EN 14476: 2007-02 EN 14476: 2007-02 EN 14348: 2005 ASTM E1052 - 96 EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1:October 2009	Safety glasses Nitrile gloves Protective clothing	
ViroVent 52	Quaternary ammonium compound (Quats)	• Bactericidal	Class IIa medical device EN 13727: 2012 + A1:2013 EN 14885: 2015 EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1: October 2009	Safety glasses Nitrile gloves Protective clothing	
ViroImpress	Peracetic Acid	<ul> <li>Bactericidal</li> <li>Yeasticidal</li> <li>Virucidal*</li> <li>*Against enveloped viruses including: Vaccinia, Coronavirus, Hepatitis, Influenza, HIV, Herpesviridae, Filoviridae (which includes Ebola), Rubella, Rabies, Measles, and more.</li> <li>Also effective against non-enveloped viruses: Murine norovirus, Adenovirus 5.</li> </ul>	Class IIa medical device EN 13727: 2012 EN 13624: 2013 EN 1485: 2015 EN 13697: 2015 EN 14476: 2007-02 EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1: October 2009	Safety glasses Nitrile gloves Protective clothing	
ViroLine	Surfactant	N/A: Cleans only, does not disinfect.	Class I medical device EN 1041: 2008 EN 15223-1: 2016 EN ISO 14971: 2012 EN ISO 10993-1:October 2009	Safety glasses Nitrile gloves Protective clothing	

ViroGel	Ethanol	<ul> <li>Bactericidal</li> <li>Yeasticidal</li> <li>Virucidal*</li> <li>*Against enveloped viruses including: Vaccinia, Coronavirus, Hepatitis, Influenza, HIV, Herpesviridae, Filoviridae (which includes Ebola), Rubella, Rabies, Measles, and more.</li> </ul>	Biocidal Products Regulation EN 13727: 2012 EN 13624: 2013 EN 1500: 2013 EN 14476: 2013 EN 14885: 2015	No PPE recommended	
ViroRub	Ethanol	<ul> <li>Bactericidal</li> <li>Yeasticidal</li> <li>Virucidal*</li> <li>*Against enveloped viruses including: Vaccinia, Coronavirus, Hepatitis, Influenza, HIV, Herpesviridae, Filoviridae (which includes Ebola), Rubella, Rabies, Measles, and more.</li> </ul>	Biocidal Products Regulation EN 13727: 2012 EN 13624: 2013 EN 1500: 2013 EN 14476: 2013 EN 14885: 2015	No PPE recommended	

\* Populate "waste" column with details according to local rules and regulations

For full product details and MSDS please see virofex.com All information correct at time of publishing  $v1.0\ 2011$ 

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