

ANNEX K: Selection Criteria for High-Level Disinfectants

PRODUCT NAME: _____

PRODUCT MANUFACTURER: _____

Selection Criteria	Criteria Met	
	Yes	No
Product has a DIN number from Health Canada		
Product has a Material Safety Data Sheet (MSDS)		
The product label clearly indicates the following:		
• the product name		
• the product's intended use		
• a quantitative statement of active ingredient(s)		
• the area and site of use		
• specific directions for use, including the specific types of surfaces/instruments to be high-level disinfected		
• the dilution or activation procedure(s) required, if any		
• the mode of application		
• minimum contact time with the item(s) to be high-level disinfected		
• cleaning and rinsing procedures		
• the temperature for use		
• the reuse period (e.g., 14 days, 21 days)		
• disposal instructions (e.g., sewer, hazardous waste)		
• appropriate precautionary symbols and statements		
• first aid instruction		
The product meets high-level disinfectant criteria:		
a) Bacteriocidal – effective against vegetative bacterial strains by > 6 log ₁₀ reduction		
b) General Virucide – effective against Sabin (Type 1 polio) strain by >3 log ₁₀ reduction		
c) Virucidal – effective against targeted virus by >3 log ₁₀ reduction		
d) Fungicidal – effective against <i>Trichophyton mentagrophytes</i> by >5 log ₁₀ reduction		
e) Tuberculocidal – effective against <i>Mycobacterium terrae</i> by >4 log ₁₀ reduction (for an intermediate disinfectant claim)		
The product is not corrosive		
The product is compatible with BOTH the equipment/surface's manufacturer's instruction and with the existing disinfecting products being used for the equipment/surface		

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Selection Criteria	Criteria Met	
	Yes	No
Information on the required personal protective equipment (PPE), if any, is provided		
Product has a long shelf life/expiry date (usage factors and size of product container are factors to consider)		
Product is safe to transport		
Product is easy to store		
Product is non-toxic to humans and animals		
Product is non-allergenic		
Product is non-sensitizing		
Product has no hormone disruption		
Product is safe for the user and for clients/patients/residents		
Side effects or concerns if reprocessed items have not been properly rinsed		
Product is environmentally sound (i.e., biodegradable)		
Product leaves no active harmful residue		
Product has the ability to remove and/or limit the development of biofilms		
Product does not produce harmful vapours or unpleasant odours (e.g., is a fume hood required?)		
Product is cost-effective (cost per use – based on different concentrations, dilution factors and intended use)		
Training support is provided by the distributor		
Product label provides instructions on factors that may influence the activity of the product, such as temperature, pH, relative humidity and water hardness		
Information regarding the type, concentration and testing of the active chemical properties of the product is provided		
The purchaser is able to provide the required preventive maintenance in order to use the product (e.g., decanting or dilution equipment)		
The process can be monitored (e.g., there are mechanical, chemical and biologic monitors/indicators available for the product), if required		

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References:

1. Ontario. Provincial Infectious Diseases Advisory Committee. **Best Practices for Cleaning, Disinfection and Sterilization of Medical Equipment/Devices in All Health Care Settings, 3rd edition**. May 2013 [cited August 8, 2013]; 1-116. Available from: http://www.publichealthontario.ca/en/eRepository/PIDAC_Cleaning_Disinfection_and_Sterilization_2013.pdf.
2. Ontario. Provincial Infectious Diseases Advisory Committee. **Routine Practices and Additional Precautions in All Health Care Settings**. November 2012 [cited November 25, 2012]; 1-111. Available from: http://www.publichealthontario.ca/en/eRepository/RPAP_All_HealthCare_Settings_Eng2_012.pdf.
3. Public Health Agency of Canada. **Routine Practices and Additional Precautions for Preventing the Transmission of Infection in Healthcare Settings**. Ottawa 2012 [cited May 8, 2013]. Available from: http://www.ipac-canada.org/pdf/2013_PHAC_RPAP-EN.pdf.
4. Sehulster L, Chinn RY. Guidelines for environmental infection control in health-care facilities. Recommendations of CDC and the Healthcare Infection Control Practices Advisory Committee (HICPAC). MMWR Recomm Rep. 2003 Jun 6;52(RR-10):1-42. Available from: http://www.cdc.gov/ncidod/dhqp/pdf/guidelines/Disinfection_Nov_2008.pdf.
5. Taking the Mystery out of Chemical Disinfection. Nicole Kenny, Director of Professional and Technical Services, Virox Technologies, CHICA May 2006.