

PRODUCT SELECTION CRITERIA - EVALUATION MODEL FOR DISINFECTANTS USED IN VETERINARY PRACTICE

Application	Hard Surfaces			Air Spaces			Cold Sterilization			Instruments post-op wash /disinfect			Skin & Mucous Membranes			Laundry		
√ = Recommended standard Y = FIO Compliant N = Non-compliant □ = Not applicable																		
MINIMUM EFFICACY																		
• Gram positive bacteria: <i>Staphylococcus aureus</i>	√	Y					√	Y		√	Y		√	Y		√	Y	
• Gram negative bacteria: <i>Pseudomonas aeruginosa</i> , <i>Salmonella choleraesuis</i>	√	Y					√	Y		√	Y		√	Y		√	Y	
• Enveloped viruses: <i>Avian Influenza</i> , <i>Feline Herpesvirus</i>	√	Y					√	Y		√	Y		√	Y		√	Y	
• Non-enveloped viruses: <i>Canine Parvovirus</i>	√	Y					√	Y		√	Y		√	Y		√	Y	
• Yeasts and moulds: <i>Candida albicans</i>	√	Y					√	Y		√	Y		√	Y		√	Y	
• Fungi: <i>Aspergillus niger</i>	√	Y					√	Y		√	Y		√	Y		√	Y	
• Fungal spores: <i>Trichophyton mentagrophytes</i> , <i>Microsporum canis</i>	√	Y		√	Y		√	Y		√	Y		√	Y		√	Y	
• Bacterial spores: <i>Bacillus subtilis</i> spores	√	Y		√	Y		√	Y		√	Y		√	Y		√	Y	
• Sterility / Cold Sterilization: <i>Bacillus subtilis</i> spores							√	Y										
• Biofilm remover	√	Y																
• Were the tests carried out by an accredited laboratory?	√	Y		√	Y		√	Y		√	Y		√	Y		√	Y	
TOXICITY																		
• Acute oral toxicity :> 5000mg/kg	√	Y																
• Acute dermal toxicity: > 5000mg/kg	√	Y																
• Inhalation toxicity: >20mg/litre	√	Y																
• Acute eye irritation: no irritation	√	Y																
• Acute dermal irritation: non irritating	√	Y																
• Skin sensitisation: not a sensitiser	√	Y																
• Tissue compatibility substantiated	√	Y																
• Residual build-up in organs or tissue	√	Y																
• Were the tests carried out by an accredited laboratory?	√	Y																
SAFETY																		
• Non corrosive to all metals, plastics and rubber	√	Y																
• Can be used without the use of safety equipment/Protective clothing	√	Y																
• Can be used in the presence of animals / humans	√	Y																
• Were the tests carried out by an accredited laboratory?	√	Y																
• Does not contain aldehydes or chlorine	√	Y																
ACCREDITATION AND REGISTRATION																		
• Assessed by National Regulatory Authorities	√	Y																
QUALITY ASSURANCE																		
• Good Manufacturing Practice license *	√	Y																
• Independent QA audits	√	Y																
• Other, e.g. ISO 9001 **	√	Y																
SPECIAL APPLICATIONS																		
• Equipment manufacturers – Endoscopes	√	Y																
• Aerosol product validation	√	Y																
• Gamma radiation applications validation	√	Y																
• Electronic vaporiser use validation	√	Y																

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