Cleaning & Sterilization of Transonic® Research Flowprobes

METHOD	ETO (ETHYLENE OXIDE)			STERRAD®
DEVICE	All Transonic® Reusable Research Perivascular Flowprobes. Does Not Apply To Tubing Flowsensors.			
WARNINGS	DO NOT EXCEED 65°C / 149°F NOT FOR HUMAN USE			
LIMITATIONS ON REPROCESSING	Connectors for acute use are not sealed and should not be soaked. Connectors for chronic use may be momentarily immersed, then rinsed to remove debris prior to sterilization. Repeated processing has minimal effect on instruments. End of life is normally determined by wear and damage due to use.			
INSTRUCTIONS POINT OF USE	Remove excess debris with disposable cloth/paper. Wipe and/or rinse with water to remove excess bio-materials.			
CONTAINMENT & TRANSPORTATION	No particular requirements. NOTE: It is recommended that instruments are processed as soon as is reasonably practical following use. Dried-on materials are more difficult to remove.			
CLEANING PREPARATION	Flowprobes with sliding cover should be disassembled for a thorough cleaning.			
SOLUTIONS*	Cavicide, Madacide, Banicide Advanced, Cetylcide-G, Cidex (Activated, OPA, Plus), Metricide (Activated, 28, Plus 30), NaOH (1N), Omnicide (Long Life, Plus), Opaciden, Procide, Rapicide, TD-5, Wavicide, Anios DL Tri Enzymatique, Anisol, Cleanisept Wipes, Gigasept AF Forte, Klenzyme, Mucadont Zymativ, V. Mueller Oval Enzy-Clean			
MANUAL	Equipment: Detergent (see above solutions) or 70% isopropyl alcohol, soft bristled brush, H_2O Method: [1] Rinse excess soil from instrument (temp <30°C, 86°F) [2] Using detergent solution or alcohol and soft brush remove any visible foreign material on all Probe and handle surfaces for 3 to 5 minutes under normal soil conditions. NOTE: Connector surfaces may be wiped clean with solutions, but take care not to damage connector pins. If solution gets on pins, carefully wipe them dry as soon as possible. [3] Rinse with clean water.			
AUTOMATIC	Can be used with solutions listed above.			
DISINFECTION	Probe head, handle, and cable can be soaked in 70% isopropyl alcohol for >10 minutes or disinfectant solutions (see solutions above) may be used in accordance with label instructions. Connectors for acute use are not sealed and should not be soaked. Connectors for chronic use may be momentarily immersed, then rinsed to remove debris prior to sterilization.			
STERILIZATION	HUMIDITY PRECONDITIONING Humidity: 45-75% RH Temp: 32-49°C (93-120°F) Time: 60-90 minutes CONDITIONING IN CHAMBER Vacuum: 1.8-3.2 PSIA Humidity: 45-75% RH Temp: 49-54°C (120-129°F) Time: 60-90 minutes	EXPOSURE Pressure range: 24.7-26.7 PSIA Sterilant gas: >10% EO Humidity: 45-75% RH Temp: 49-54°C (120-129°F) Time: 6-6.5 hours POST EXPOSURE Vacuum: 1.8-3.2 PSIA, 3 times	For residual reduction use either: AERATION - HEATED Temp: 21-43°C (70-109°F) Time 12-48 hours AERATION - AMBIENT Temp: seasonal ambient Time: 3 days	STERRAD 100: Cycle time ≈ 90 min STERRAD 100s: Cycle time ≈ 55 min STERRAD 50: Cycle time ≈ 45 min STERRAD 200: Cycle time ≈ 75 min STERRAD NX Cycle time ≈ 28 min
MAINTENANCE	Consult the Operator's Manual			
INSPECTIONS & TESTING FUNCTION	Inspect each Perivascular Probe for: • A bent reflector (the reflector should be at a right angle to the Probe body). • Cracks or chips in the plastic Probe body. • Nicks in the Probe cable (if nicks are observed, do not reuse).			
PACKAGING	A standard polyethylene/tyvek pouch may be used. Ensure that the pack is large enough to contain the instrument without stressing the seals.			
STORAGE	Consult the Operator's Manual			
ADDITIONAL INFORMATION	When sterilizing multiple instruments in one cycle do not exceed the sterilizer manufacturer's stated maximum load. Consult the Operator's Manual for all Warnings, Precautions & Indications for Use.			

The instructions provided above have been validated by the manufacturer as being CAPABLE of preparing a device for re-use. It remains the responsibility of the reprocessor to ensure that the reprocessing is appropriately performed. This normally requires validation and routine monitoring of the process. Any deviation by the reprocessor from the instructions provided should be properly evaluated for effectiveness and potential adverse consequences. Your reprocessing procedure should comply with local regulations.

*Cleaning solutions were tested using concentrations greater than recommended to test our products in "worst case" conditions. Follow cleaning solution manufacturers' instructions.

Additional updates may be available at Transonic® website: www.transonic.com

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