



FOR FACILITY USE ONLY

Staff Name: _____

Training Date: _____

Trainer: _____

INTENDED USE AND GUIDELINES

Intended Use

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| 1. Intended Use - high level disinfection of flexible immersible endoscopes | |
| 2. Operator Safety Overview - appropriate PPE - mask, gown, gloves, eye protection | |

Guidelines for Reliable Disinfection

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| 1. Detergent Solution - (optional) used in the pre-wash cycle. Must be low-foaming, free-rinsing, neutral in pH and used according to label instructions | |
| 2. Disinfectant Solution - required for high-level disinfection cycle | |
| 3. Olympus®, Pentax®, Fujinon®, Storz® - Endoscope cleaning and disinfection guidelines | |
| 4. SGNA, ASGE, ASTM, APIC and AORN - Endoscope cleaning and disinfection guidelines | |
| 5. SGNA approved reprocessing steps - Endoscope bedside pre-cleaning, leak testing, manual cleaning, high-level disinfection, final drying and storage standards and guidelines | |

PRODUCT FAMILIARIZATION

Endoscope Reprocessor Components and their Functions

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| 1. Basin Components: lid, basin/station A&B, fluid inlet, basin connector, drain, overflow | |
| 2. Control Panel: keypad, function keys, LCD and LED indicators | |
| 3. Rear Components: incoming water, water filters, drain line, external water pressure regulator | |
| 4. Interior Components: water regulator, temperature control, chemical loading switch, transfer pump, air tank | |
| 5. Fluid Reservoirs: alcohol reservoir, disinfectant reservoir, detergent reservoir | |
| 6. Filters: disinfectant filter, air filter, water filter internal: 0.2 micron, external: 0.45 micron and 1 micron filters | |
| 7. Passive vapor management system (if applicable) | |
| 8. Active (charcoal) vapor management system (if applicable) | |
| 9. Printer, paper and ribbon (if applicable) | |

Fluids and Test Strips

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| 1. High-Level Disinfectant (HLD): Rapicide®, OPA or Glutaraldehyde | |
| 2. Detergent: recommended detergent is Medivators Intercept® | |
| 3. Alcohol (70% Isopropyl): used to dry inside of endoscope channels | |
| 4. Test Strips: used to test the concentration of the HLD prior to each cycle | |

FLUID LOADING AND UNLOADING

High-Level Disinfectant (HLD), Detergent and Alcohol

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| 1. Amount of HLD required: 4 gallons | |
| 2. Load disinfectant from basin or internal transfer pump | |
| 3. Disinfection cycle count (set-up 16) cycle warning/override (Set-up 7) | |
| 4. Draining HLD (dump) automatically or with internal transfer pump | |
| 5. Cleaning of disinfectant reservoir tank with lint-free cloth and water | |
| 6. Replacing disinfectant filters - at every disinfectant dump/load procedure | |
| 7. Perform a Set-up 16 to verify cycle count has reset to zero. Clearing cycle count (Set-up 11) | |
| 8. Load detergent and alcohol (if applicable) | |

OPERATOR CONTROLS

Control Panel

1. LED Indicators - alerts operator to system functions and errors. Status, Station, Cycle Phase, and Warning	
2. LCD Screen - Displays system messages and prompts during system set up	
3. Numeric Keypad - allows operator to enter numeric information	
4. Function Keys - control the operation of the reprocessor. ID Data, Program Select, Add Air, Heater On, Disinfectant Dump, Set up, Enter, Station Select, Start, Stop, Cancel	

Program Set up and Functions

1. Program cycle time documentation	
2. Review time remaining function (Set up 17)	
3. Display disinfectant cycle count (Set up 16)	
4. Check basin temperature setting (Set up 13)	
5. Printing set ups (Set ups 33, 21 & 25)	
6. Clear printer log (Set up 10) Perform for both A and B Station	
7. Water line auto disinfection process (Set up 6)	

SYSTEM OPERATION

Start-up

1. Verify power is on	
2. Open incoming water line and verify water supply pressure into pre-filtration system is minimum of 40 psi.	
3. If heat is required for HLD, allow 2 hours for reservoirs to reach proper temperature	

Daily Service

1. Verify external water pressure regulator is between 40-45 psi during flush cycle.	
2. Check external pre-filters when unit is in operation and review filter log. Verify external water pressure regulator is delivering water at 35-40 psi during flush cycle. If not, check filters for replacement.	
3. Check detergent and alcohol reservoirs fluid levels and refill if necessary	
4. Check HLD expiration date and temperature	
5. Inspect hook ups for wear	

Prepare Endoscope for Reprocessing

1. Place endoscope in basin with control section in right rear of basin, light guide in left front, distal tip tucked and knob up	
2. Locate proper hook up and connect-hook up to endoscope ports and basin connection.	
3. Place accessory bag into basin away from drain	
4. Attach leak tester hook up (if applicable)	

Endoscope Reprocessing Cycle Summary

1. Cycle Start-up Phase - monitoring of system sensors. Leak tester will inflate and monitor endoscope.	
2. Soak Phase - water and detergent (if applicable) fill basin for soak and flush through channels	
3. Disinfectant Phase - endoscope is flushed and soaked with high-level disinfectant (HLD)	
4. Rinse Phase - basins fill with fresh water at least twice and channels are flushed with water (two if using Rapicide or Glutaraldehyde, three if using OPA)	
5. Alcohol Phase - alcohol is injected into channels, followed by air to assist in drying	
6. Air Purge Phase - air is purged through channels to aid in drying	

SYSTEM OPERATION

Run the Reprocessing Cycle

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| 1. Place floating lid on the basin. Verify endoscope or hook up does not contact floating lid and close reprocessor lid. | |
| 2. Test HLD with test strips to confirm potency. | |
| 3. Press Station Select and choose Station A or B | |
| 4. Press ID DATA button and enter ID data (if applicable): serial number, operator ID, patient ID, physician ID | |
| 5. Select disinfection program and press START | |
| 6. DSD Prompts: LCG Test Pass? "PRESS ENTER," if test strip passed. Press "CANCEL" if failed; dump and replace HLD. | |
| 7. Verify fluid flows through hook ups, endoscope channels and from distal end and that there are no leaks. | |

Complete the Reprocessing Cycle

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| 1. Open reprocessor lid when LCD Screen displays "Completed". Confirm endoscope ID number on print out is correct, and "Completed" is documented. | |
| 2. Remove floating lid, disconnect hook up and remove endoscope. If any hookup component connection is loose or disconnected during the cycle, endoscope must be reprocessed. | |
| 3. Store hook up and reprocessed endoscope with all removable parts detached. | |

End of Day Shutdown

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| 1. Close incoming water line | |
| 2. Sanitize upper basins and basin lids with an EPA-registered sanitizer | |

MAINTENANCE

Daily Maintenance

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| 1. Check and refill detergent reservoir if used | |
| 2. Clean detergent reservoir if using diluted solution | |
| 3. Refill alcohol reservoir if necessary | |
| 4. Wipe basins with lint-free cloth | |

Weekly Maintenance

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| 1. Lubricate leak tester hook up O-ring with silicone oil (if applicable) | |
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Monthly

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| 1. Drain condensation from air tank (pull ring on tank) | |
| 2. Lubricate basin connector O-ring with silicone oil | |

Three Months

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| 1. Replace 1 micron and 0.45 micron water filters every 3 months or if below 40 psi | |
| 2. Replace air filter | |

Six Months

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| 1. Replace 0.2 micron water filter every 6 months or if below 40 psi | |
| 2. Replace vapor management filter (if applicable) | |

TROUBLESHOOTING

Error Reports

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| 1. Review interruptions caused by sensors: lid, fluid, air flow, basin level, reservoir levels, thermistors | |
| 2. Error messages | |

Medivators Website "Resource Center"

Go to: www.minntech.com/medivators, Select "Resource Center" and "User Library" for detailed user guides and hook up matrices, report forms and logs, and product bulletins

Medivators Customer and Technical Support Toll Free: Phone: 1-800-444-4729 • FAX: 1-866-421-7696