

AAMI Standards and RD52-2004 Recommendations

Dial Medical

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9/2004

Water Testing

Test	Usage	Where Used	Test Goals	Products Used
Endotoxin	Weekly, until a pattern of consistent compliance is demonstrated (recommend monthly thereafter)	1 st & last outlets of H ₂ O loop + reprocessing and bicarb mixing points See reverse side for instructions for use.	<u>Action Limit</u> <2EU/mL / <200CFU/mL <u>Alert Limit</u> <1EU/mL / <50CFU/mL	Pyrosate
Total chlorine	Daily as part of RO system validation Also prior to 2 nd and 3 rd shift (if applicable)	Between and after carbon beds	<0.1ppm	Serim HiSENSE Test Kit #5109
Water hardness	Daily, as part of RO system validation Replaces the Hach or LaMotte equipment (and their associated calibrations and repairs)	After water softener	At or <10ppm	Serim Hardness Test Kit #5129
pH	Daily as part of RO system validation	Prior to water entering RO pre-treatment system	Around neutral pH 7.0	

Dialysate Testing

Test	Usage	Where Used	Test Goals	Products Used
Endotoxin	Monthly, rotated. Test at least 2 machines/month. Each machine is tested at least once/year. See reverse side for instructions for use.	From dialysate port of the dialyzer or a sampling port from which samples can be collected using a pyrogen free container (depyrogenated cup)	<u>Action Limit</u> <2EU/mL / <200CFU/mL <u>Alert Limit</u> <1EU/mL / <50CFU/mL <u>Ultrapure dialysate</u> <0.03EU/mL / <0.1CFU/mL <u>Infusion dialysate</u> <0.03EU/mL / <1CFU/1000 mL	Pyrosate
Bicarbonate-acid mixed solution pH	Before each treatment in addition to machine reading (must have 2 separate tests) Replaces the Phoenix meter (and their associated calibrations and repairs) Conductivity can be done with a less expensive Myron L.	after dialysis equipment has diluted bicarb & acid concentrates. Sample from point entering dialyzer	7.0 – 8.0	Serim Bicarb pH Test Kit #5116A

Other Tests

Test	Usage	Where Used	Test Goals	Products Used
Residual chlorine	When using chlorine to clean dialysis equipment, concentrate containers, etc. Replaces tests with inadequate sensitivity (Hemastix® or Starch Iodide Paper)	Final rinse water	< 0.5ppm	Serim Residual Chlorine Test Kit # 5100A or 5100C
Blood leak in dialysate	When blood leak detector alarms	Test dialysate exiting dialyzer or waste fluid from drain line	<0.35 ml/min	Serim Blood Leak Test Kit #5119 or #5119A