

NURSING SERVICES GUIDELINE HEMODIALYSIS

**Guideline: Disinfection of Hemodialysis
R/O Water System**



Policy Number Superseded:

Responsibility: Biomed Technician

Effective Date:
December 2022

Initial Effective Date:
July 2003

Purpose of Guideline: Disinfection of the Hemodialysis R/O water system using the chemical Minncare will be performed monthly to prevent bacterial contamination of the Hemodialysis water system.

Procedure	Point of Emphasis
(1) Any dialysis treatments performed during the disinfection process will be connected to portable R/O machines with city water.	To prevent patient contact with Minncare.
(2) Disinfection per biomed protocol.	
(3) Specimens for R/O water analysis, LAL, and culture will be obtained from ports 6 and 7 by the biomed technician.	Specimen collection is an AAMI standard. All specimens are sent to Spectra Laboratories.
(4) Specimen results will be reviewed by the medical director of the Hemodialysis unit and kept in the Hemodialysis log binder in the Hemodialysis unit.	
(5) Specimen results that are out of range will be reported to the medical director of the Hemodialysis unit and the nurse manager. All treatments will be performed using portable R/O Machines until re-disinfection of the water system is performed and repeat cultures are negative.	Unacceptable specimen results pose a risk to patients which will require the water system to be re-disinfected and cultured.

References: AMI Standards 2022, CMS Regulations 2022

Approved by:	Initial effective date:
<i>Kurt Kless, MSN, MBA, RN, NE-BC Chief Nursing Officer</i>	July 2003
<i>Review/Revision Completed by:</i>	Review/Revision Date:
Revised by: Tom Shaw, Biomedical Engineer	July 2005
Resource Person: Deepak Malhotra, MD	April 2008
Reviewed by Policy & Standard Committee	February 2011
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