

NURSING SERVICES GUIDELINE HEMODIALYSIS

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



Policy Number Superseded:

Responsibility: Biomed
Technician/Hemodialysis PCT/Lead Nurse

Effective Date:
June 2026

Purpose of Guideline: Disinfection of the Hemodialysis R/O water system using the heat disinfection program of R/O water system will be performed Weekly to prevent bacterial contamination of the Hemodialysis water system.

Initial Effective Date:
July 2003

Procedure	Point of Emphasis
(1) Heat disinfection occurs every Sunday night of every week.	To ensure every machine is disinfected every week.
(2) Disinfection per biomed Programing. And manufacturers recommendations	To ensure no bacteria is in R/O system when used on a patient
(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 and sign off with date by Hemodialysis Lead Nurse, 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 Biomed Technician, Lead Nurse, medical director of the Hemodialysis unit and the nurse manager. All treatments will be performed on the specific R/O with be stopped immediately, and the R/O will be taken out of service until disinfection can be initiated, and repeat culture results are within range/ negative	Unacceptable specimen results pose a risk to patients which will require the water system to be re-disinfected and cultured.

Guideline:
Disinfection of Hemodialysis R/O Water System

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References: AMI Standards 2022, CMS Regulations 2022

Approved by:

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Chief Nursing Officer*

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Review/Revision Completed by:

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Reviewed by Policy & Standard
Committee

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