

Title: **DISINFECTION OF HEMODIALYSIS R/O WATER SYSTEM**

Responsibility: Biomed Technician

Purpose: 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.

<u>Procedure</u>	<u>Point of Emphasis</u>
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.

Revised by: Tom Shaw, Biomedical Engineer

Resource Person: Deepak Malhotra, MD

Approved: 7/03

Reviewed: 7/05, 4/08, 3/28/2011, 5/14, 1/17, 1/2020, 12/2022

Revised: 2/11

Reviewed by Policy & Standard Committee, 3/11, 1/17, 1/2020, 12/2022

References: AMI Standards 2022, CMS Regulations 2022