

NURSING SERVICES GUIDELINE HEMODIALYSIS

Guideline: Daily Phoenix Meter Quality
Control Check



Policy Number Superseded:

Responsibility: Hemodialysis Registered Nurse
(RN)

Effective Date:
June 2026

Purpose of Guideline:

Initial Effective Date:
July 2005

Equipment:

- (1) Phoenix Meter
- (2) pH and conductivity standard solution
- (3) Neocare solution
- (4) R/O water

Procedure	Point of Emphasis
(1) RINSE-Thoroughly rinse out the measurement cell 2-3 times with fresh R/O water to ensure that all the residual NEO-CARE solution is removed.	Only use R/O water for rinsing of Phoenix
(2) DISINFECT- Draw bleach solution through the measurement cell by drawing the syringe to 10ml. Allow bleach solution to remain in the measurement cell and syringe for 10 minutes. The bleach solution is 10ml. bleach to 1000ml RO water.	To rinse out residual disinfectant
(3) RINSE-Expel the bleach solution into the sink. Thoroughly rinse 2-3 times with RO water to ensure that all residual bleach is removed.	To ensure no residual bleach remains in Phoenix meter
(4) Test last flush of water with chlorine test strip to ensure all bleach is removed	
(5) VERIFY-Connect the distal port to the combined standard solution bottle (blue label bottle with pH and conductivity). Slowly draw 10ml. of solution through the measurement cell while drawing back the syringe. The stabilized reading on the display	Reading is being compared to concentration of standard solution.

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should match the range of the solution (pH 6.9-7.1 and Conductivity 13.9-14.1). If the reading is outside of this value range, then the meter should be sent to BioMed for calibration. (6) Phoenix meter is ready to use.	
(7) At the end of day. RINSE-Rinse the meter thoroughly by rapidly pulling back and expelling NEO-CARE 3 times. After third time expel any remaining NEO-CARE from the meter, draw the syringe back halfway pulling air into the measurement cell and cap with the red cap. Label that NEO-CARE is present in the syringe with date, time, and initials.	
(8) Document on Phoenix Meter Quality Control Sheet.	
(9) After each test and at the end of the day, DO NOT allow any solution other than NEO-CARE to remain in the cell overnight.	

Approved by:
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Committee
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