

## NURSING SERVICES GUIDELINE HEMODIALYSIS

**Guideline:** Daily Phoenix Meter Quality  
Control Check



**Policy Number Superseded:**

**Responsibility:** Hemodialysis Registered Nurse  
(RN)

**Effective Date:**  
June 2023

**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 water to ensure that all the residual NEO-CARE solution is removed.	
(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.	
(4) 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 should match the range of the solution (pH 6.9-7.1 and Conductivity 13.9-14.1). If the reading is outside	Reading is being compared to concentration of standard solution.

Guideline:  
Daily Phoenix Meter Quality Control Check

2

of this value range, then the meter should be sent to BioMed for calibration.	
(5) 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.	
(6) Document on Phoenix Meter Quality Control Sheet.	
(7) 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:  
*Kurt Kless, MSN, MBA, RN, NE-BC*  
*Chief Nursing Officer*

Initial effective date:  
July 2005

*Review/Revision Completed by:*  
*Tana Cepek, RN, Hemodialysis Lead*  
*Nurse*  
Reviewed by Policy & Standard  
Committee  
*March 2011, July 2017, April 2021,*  
*June 2023*

Review/Revision Date:  
January 2007  
April 2008  
February 2011  
March 28, 2011  
May 2014  
July 2017  
May 2018  
April 2021  
June 2023

Next review date:  
June 2026