#### DIALYSIS ENVIRONMENT OF CARE TRACER TOOL



# Courtemanche Associates

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INDICATOR	Met	Not Met	Comments
Floors clean, intact, and free from damage			
Ceiling tiles free from stains, cracks, and missing tiles			
Walls and baseboards are intact and free from			
damage/peeling			
Countertops are clean and free from chips and			
damage			
Treatment chairs are in good repair – no splits, tears,			
or wear spots. No use of absorbent fabrics that			
cannot be cleaned.			
Eyewash station available for use and within OSHA			
standards for access.			
Eyewash station maintenance follows OSHA			
standards and checked weekly.			
WATER TREATMENT/DIALYSATE PREPARATION A	REA		
Carbon system: Current shift total chlorine test done,			
testing reagents sensitive to 0.1mg/L total chlorine,			
not expired and match testing equipment			
Reverse Osmosis (RO): Presence of functioning water			
quality monitor; audible alarm in patient treatment			
area, alarm limits set to acceptable range.			
Deionization System (DI): presence of functioning			
resistivity monitor, audible AND visible alarm in			
patient treatment area, presence of automatic			
divert-to-drain or automatic stop valve to prevent			
unsafe water flow to the dialysis stations if resistivity			
falls <1 megohm, DI monitored twice/day, alarm			
limits set in acceptable range.			
Water distribution equipment is in repair and			
decontaminated.			
Acid and bicarbonate dialysate concentrates of			
different proportioning ratios, if present, are not			
stored together.			
Acid or bicarbonate dialysate concentrate mixing and			
distribution equipment in good repair and not			
contaminated.			
Observed total chlorine test result >0.1mg/L; test			
done correctly and with correct reagents/ equipment.			
Staff assigned total chlorine testing has adequate			
knowledge of testing procedure.			

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Updated 7/2023

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<ul> <li>For Reverse Osmosis (RO) Units: RO percent</li> <li>rejection and product water conductivity or TDS is</li> <li>monitored and recorded daily, water quality alarm</li> <li>functional, audible in patient treatment area</li> <li>Presence of functional resistivity monitor or alarm; alarm audible and visible in patient treatment area; resistivity monitored /recorded at least twice per treatment day.</li> <li>Presence of functional automatic divert-to-drain or automatic stop valve to prevent unsafe water flow to the dialysis machines</li> <li>Staff aware of accurate monitoring,</li> </ul>			
minimum allowable resistivity of 1.0 megohm or actions for DI tank exhaustion (i.e., stop dialysis).			
Ultrafilter in-line post DI.			
Water/dialysate samples are drawn before disinfection.			
Water distribution system is disinfected at least			
monthly.			
Each HD machine is cultured at least annually.			
Staff are aware of correct dialysate concentrate			
mixing, acid concentrate batch testing, "spiking,"			
duration of bicarbonate usability, etc.			
Total chlorine results are not exceeding 0.1mg/L			
without documentation of appropriate actions			
taken. Chemical analysis of product water is done at least			
annually.			
Irregularities, trends of omitted tests are not			
present.			
Microbiological results of water or dialysate			
exceeding action or maximum levels has			
documentation of appropriate actions.			
DIALYZER REPROCESSING/REUSE REVIEW			
Staff don gloves, gown, protective eyewear and mask or face shields when cleaning and disinfecting machine.			
Dialyzer pre-cleaning, header removal/cleaning performed properly.			
Water used for pre-cleaning dialyzers purified to AAMI standards.			
Presence of functional water pressure gauge at pre- cleaning sink.			

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Germicide stored, mixed and handled per manufacturer's IFU.					
Reuse tech aware of requirements in key patient safety areas.					
Dialyzers transported in a sanitary manner.					
Dirty/used dialyzers not left at room temperature for >2 hours before reprocessing.					
Reprocessed dialyzers not stored for extended periods.					
Reprocessing equipment maintenance and repair activities documented per manufacturer's directions.					
Noticeable strong germicide odors not present.					
Stored reprocessed dialyzers aesthetically acceptable.					
Stored dialyzers protected from unauthorized access and within germicide manufacturer's temperature range.					
Reprocessing room and equipment in good repair.					
Dialyzer refrigerator temperature monitored and in proper range.					
DIALYSIS EQUIPMENT MAINTENANCE REVIEW					
Adherence to hemodialysis machine manufacturer's directions for PM.					
Calibration of pH and conductivity meters and equipment calibration meters per manufacturer's directions.					
Observations to maintenance schedules of ancillary equipment, e.g., scales, chairs, infusion pumps, oxygen concentrators.					

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