

# Dialysis Testing Selection Guide

## Water Treatment

<u>Component/Process</u>	<u>Chemicals Tested</u>	<u>Test Method</u>	<u>Monitoring Levels</u>
Water Softener	Water Hardness	WaterSoft strip	0, 4, 8, 17 -300 ppm
Carbon Tank	Chlorine /Chloramine	WaterCheck 2 strip	0-0.1 ppm
RO Water	Conductivity /pH	Water Check Meter	0-50 uS, pH 5-7
RO Disinfection	Water Hardness	WaterSoft strip	0-4 ppm
	Peroxyacetic Acid	Peracid Test strip	1 % (500 ppm PPA)
Loop Disinfection	Bleach/Chlorine	WaterCheck CP strip	0-0.2 ppm peroxide
		WaterCheck RC strip	>500 ppm potency
		Bleach Test (Potency)	0-0.2 ppm Residual
	Acid /Alkaline Agents	pH strip	500, 1000, 2000, 4000 ppm
	Ozone	Ozone strip	<3, >9 pH
Tap Water	Water Hardness	WaterSoft strip	0 - >0.5 ppm
	PH	pH strip	0 - 18 ppg
			2 - 9 pH

## Biocarb Mixing

<u>Component/Process</u>	<u>Chemicals Tested</u>	<u>Test Method</u>	<u>Monitoring</u>
Bicarb Concentrate	NaHCO <sub>3</sub> concentration	SG Meter	9.5 %, SG1.050
	CO <sub>2</sub> Loss	pH strip	pH 8.0
Bicarb Jars	Bleach /Chlorine	WaterCheck RC strip	>500 ppm potency
			0-0.2 ppm residual
Loop Disinfection	Bleach /Chlorine	WaterCheck RC strip	>500 ppm potency
			0-0.2 ppm residual

## Dialyzer Reuse

<u>Component/Process</u>	<u>Chemicals Tested</u>	<u>Test Method</u>	<u>Monitoring Levels</u>
Peracetic Acid	Peroxyacetic Acid	Peracid Test strip (Potency)	1 - 3.5 % (500-1500 ppm PPA)
		RenalCheck PX strip (Residual)	0-0.5 ppm residual peroxide
Glutaraldehyde	Glutaraldehyde	GlutarTest 1 strip (Potency)	0.8-1.0 % potency
Formaldehyde	Formaldehyde	FormaTest 4% strip (Potency)	1-4 % potency
	Glutaraldehyde/Formaldehyde	AldoCheck strip (Residual)	0-5 ppm
Citric Acid	Citric Acid concentration	SG Meter	10 %, SG1.050
		Acid Test Strip (Potency)	0.5, 1.0, 1.5, 2.0 % Citric Acid
		(Residual)	0.01 %

## Dialysate

<u>Component/Process</u>	<u>Chemicals Tested</u>	<u>Test Method</u>	<u>Monitoring Levels</u>
Dialysate pH	pH	pH strip	pH 7.2-7.6
Contaminants	Bleach /Peroxide	WaterCheck CP strip	Chlorine 0-0.2 ppm
			Peroxide 0-0.5 ppm
Dialysate Prime	pH /Chlorine /Peroxide	pH/WaterCheck CP combo strip	All three parameters
Blood Leak	Hemoglobin /Protein	Blood Leak test strip	0-1 mg/dL hemoglobin
			0-5 mg/dL Albumin

## Dialysis Machine

<u>Component/Process</u>	<u>Chemicals Tested</u>	<u>Test Method</u>	<u>Monitoring Levels</u>
Bleach Disinfection	Bleach /Chlorine	WaterCheck RC strip	>500 ppm potency
			0-0.2 ppm residual
		Bleach Test (Potency)	500, 1000, 2000, 4000 ppm
Peracetic Acid	Peracetic acid	Peracid Test strip	>1 % (>500 ppm) potency
		WaterCheck CP strip	0-0.2 ppm residual