FRESENIUS MEDICAL CARE

2008® Series bi*b*ag Virtual

Training Course Agenda

Introduction to class

Dialysate Preparation

- Dialysis Water
- Liquid bicarbonate concentrate
- bi*b*ag dry bicarbonate
- Theoretical Conductivity of Bicarbonate (TCB)
- Liquid acidified concentrate
- Theoretical Conductivity of Dialysate (TCD)

Review Primary side Hydraulics.
All students are provided with a flow diagram for personal use.

- Hydrochamber
- Acid Concentrate pump
- Bicarbonate Pump
- Mixing Chambers
- Reed switches
- Rinse port check valves

Review Secondary Side Hydraulics.

- Balancing Chamber
- Dialysate monitoring
- Dialysate Lines
- Air Separation
- Ultrafiltration

bi*b*ag Hydraulic Theory
All students are provided with a flow diagram and the bi*b*ag student guide and workbook for personal use.

- Component Identification
  - bi*b*ag Hydraulic Components
- Hydraulic Flow 'Jug' mode
  - Active pressure regulator
  - Bicarb monitoring
- Hydraulic flow with bi*b*ag disposable
  - bi*b*ag connector
  - initial Fill
  - initial flush
  - system timed bypass
- system operation
  - bi*b*ag conductivity alarm
  - (TCB) Theoretical Conductivity of Bicarbonate
  - Bicarb Cond 2 alarm
- bi*b*ag disposable empty sequence

Electronic Description
All students are provided with the bi*b*ag Technician's manual for personal use.

- bi*b*ag Interface Board
- bi*b*ag Hydraulic Assembly –Distribution Board
- bi*b*ag Distribution Box 2 –Distribution Board

bi*b*ag debug screens
- Debug Screen 14 – bibag portion
- Debug Screen 15 – Bic Mon & Act. Reg

Calibration
- Pressure Transducer
- Bicarbonate Conductivity Cell

Annual Maintenance
- bi*b*ag Inlet Filter Replacement
- bi*b*ag Connector Maintenance
- bi*b*ag Pressure Transducers calibration

Troubleshooting
- Status Messages
- Conditions and Events
- Possible Solution

Training material or the class:
  - bi*b*ag & Acid-Sodium Bicarbonate Pressure Regulation Student Guide and Workbook.
  - 2008T Hydraulic Flow Diagram w/bi*b*ag.
  - bi*b*ag v2 Technician's Manual.