



MANITOBA RENAL PROGRAM

SUBJECT <ul style="list-style-type: none"> Converting to NaCl bolus or NaCl reinfusion using the Fresenius 5008 ONLINEplus™ System 	SECTION 30.10 Hemodialysis: Equipment Procedures
	CODE 30.10.04
AUTHORIZATION <ul style="list-style-type: none"> Professional Advisory Committee, Manitoba Renal Program Nursing Practice Council, St. Boniface Hospital 	EFFECTIVE DATE April 20, 2018
	REVISION DATE

PURPOSE:

- To describe procedure to convert to 0.9% NaCl in the event that substitute is not available for ONLINEplus™ boluses or reinfusion for the Fresenius 5008. (ONLINE plus may be unavailable in the event of conductivity alarms or filter failure during the course of treatment.)

POLICY:

- Nurses who have received instruction from an educator or delegate may perform this procedure.

EQUIPMENT:

- Fresenius IV line with Y port or IV administration set
- 1 litre NaCl 0.9%
- Sterile recirculation connector prn
 - Fresenius product #04-9502-8

Method A:

Changing to 0.9 % NaCl during hemodialysis treatment.

This method can also be done for reinfusion.

PROCEDURE

- Perform hand hygiene and don clean gloves.
- Spike litre of 0.9% NaCl with Fresenius IV line.
- Hang bag and prime IV line.
- Attach IV line to T-line found on the arterial portion of blood lines.

KEY POINTS

- Maintain aseptic technique when handling open blood lines and connection sites
- The Fresenius IV line has the Y port to connect the arterial line for reinfusion
- T line portion of line will not be deaerated; adjust level in the venous chamber/bubble catcher as needed to accommodate air infused.

PROCEDURE

5. Administer 0.9% NaCl bolus as per MRP policy 30.10.13: *Providing Hemodialysis without Heparinization.*
6. Commence with reinfusion as per MRP policy 30.10.01 *Use of the Fresenius 5008 Delivery system Using 0.9% NaCl to Set up, Initiate, and Terminate Treatment.*

When reinfusion screen opens, there will be an option to select NaCl or ONLINE for reinfusion. **Select NaCl.**

Method B :

Changing to 0.9% NaCl for reinfusion

1. Perform hand hygiene.
2. Spike litre of NaCl 0.9% with Fresenius IV line or IV administration set.
3. Attach the blue Safeline connector (with double ended female leuc lock connection) to end of IV line.
4. Hang bag and prime IV line and clamp the line. Cap the sterile connector if not using immediately.
5. When treatment to be terminated select **Reinfusion:**
 - a. Option appears when treatment goal achieved.
 - b. If terminating treatment before goal achieved, press reinfusion button under options.
 - c. When reinfusion screen opens, there will be an option to select NaCl or ONLINE for reinfusion. **Select NaCl.**
 - d. Perform hand hygiene and don clean gloves. Disconnect arterial blood line from vascular access and connect to the IV line (with blue connector).
 - e. Unclamp arterial blood line and IV line
 - f. Press I/O to start reinfusion
6. Commence with reinfusion as per MRP policy 30.10.01 *Use of the Fresenius 5008 Delivery system Using 0.9% NaCl to Set up, Initiate, and Terminate Treatment.*

DOCUMENTATION:

- MRP treatment record
- Integrated Progress note prn

REFERENCES:

KEY POINTS

- 100 mL is usual bolus volume given for heparin free hemodialysis and hypotension
- Volume can be adjusted based on nurse's assessment.
- NaCl must be selected to program machine for saline reinfusion and stop use of substitute pump. Reinfusion will not be possible otherwise.
- **Method A can also be used for reinfusion**
- The clear Fresenius recirculation connector can also be used.(#04-9502-8)
- Maintain sterility of connector.
- NaCl must be selected to program machine for saline reinfusion and stop use of substitute pump. Reinfusion will not be possible otherwise..
- Maintain aseptic technique.

Fresenius Medical Care: *5008 CorDiax ONLINEplus System; Simple, Safe, Cost-Effective*, 2015,
EQMO915028E-09/2015

Fresenius Medicare Care Reference Card (no date)