



## MANITOBA RENAL PROGRAM

<b>SUBJECT</b> <ul style="list-style-type: none"> <li>NxStage - Testing for Chloramines</li> </ul>	<b>SECTION</b> 50.20 Home Hemodialysis
	<b>CODE</b> 50.20.09
<b>AUTHORIZATION</b> <ul style="list-style-type: none"> <li>Professional Advisory Committee, Manitoba Renal Program</li> </ul>	<b>EFFECTIVE DATE</b> January 2018
	<b>REVISION DATE</b>

### PURPOSE:

- To ensure the proper technique for obtaining a sample of dialysate from the SAK® for the testing of chloramines.

### POLICY:

- Registered Nurses in the Home Hemodialysis program who have received instruction and have demonstrated competency to the renal educator or delegate may instruct patient's on the Home Hemodialysis program on the technique for the testing of chloramines.

### EQUIPMENT:

- A successfully completed SAK® (as per policy 50.20.07 *Installation of a New Dialysate SAK®*)
- RPC ultra-low total chlorine test strip
- RPC ultra-low total chlorine reference strip
- 100 ml disposable cup

### PROCEDURE:

- Perform hand hygiene.
- Close the orange clamp on the PureFlow SL® control unit conductivity sensor adapter.
- Obtain a dialysate sample from the SAK®
  - Disconnect the SAK® line with the orange clamp from the conductivity sensor line.
  - Hold the line over the disposable cup.
  - Press "GO" on the PureFlow SL® control panel. It will dispense approximately 100 ml of dialysate.

### KEY POINT:

- Do not close the orange clamp on the SAK® line.
- There might be a delay of about one minute before the PureFlow SL® dispenses the first fluid sample.

**PROCEDURE:**

**KEY POINT:**

4. The PureFlow SL® control panel will display:

**CHECK CHLORAMINES  
Dispensing**

5. After the PureFlow SL® dispenses the sample, the control panel will display:

**CHECK CHLORAMINES  
Reconnect Line**

6. After collecting the dialysate sample, reconnect the SAK® line with the orange clamp to the control unit conductivity sensor line and open both orange clamps.

7. Press “GO”. The PureFlow SL® control panel displays:

**CHECK CHLORAMINES  
Pass:GO Fail:STOP**

8. Swirl the RPC ultra-low total chlorine reference strip in the dialysate sample for 20 seconds. Fold the test strip and compare to the RPC ultra-low total chlorine reference strip.
- The sample is considered a pass if it is < than 0.1 mg/L.

9. If the sample passes, press “GO” on the PureFlow SL® control panel.

10. The PureFlow SL® control panel display shows the time remaining until the batch expires. The batch can be held until ready for use.

**60I BATCH: Use: GO  
Batch Expires: HH:MM**

11. If the sample fails, press “STOP”. The PureFlow SL® prompts for the test to be repeated. If the new sample passes, the SAK® is ready for use. If the second sample fails the PureFlow SL® goes to drain.

**DOCUMENTATION:**

- Check off on treatment record that SAK® chloramines has passed.

**REFERENCES:**

Nxstage PureFlow SL User Guide. Software version 1.13, 1.14, and 1.15. NC5342 Rev. D 2015-09-09