

## DI H2O System Interruption for XN Hematology Analyzers

### I. PRINCIPLE:

When there is an interruption of the hospital DI water system the RU-20 diluting unit will begin to alarm due to this interruption. This procedure will standardize the correct way to disable the RU-20 errors and exchange the Cellpack DST reagent to the Cellpack DCL reagent.

### II. CLINICAL SIGNIFICANCE:

The Cellpack DST reagent is a concentrate that is diluted for use on the analyzer. When the DI water system is interrupted the RU-20 unit becomes disabled. By substituting the pre-diluted Cellpack DCL testing can be resumed until the time the hospital DI water system is fully operational.

### III. REAGENT:

Cellpack DST, Cellpack DCL

### IV. QUALITY CONTROL:

One level of Sysmex XN analyzer QC material should be run along with a background check on the Cellpack DCL

### V. PROCEDURE:

Before attempting to silence the alarms call the Technical Assistance Center at 1-888-879-7639. They will ask you for the serial # of the RU-20 unit (12823) and possibly our account number IL0448. **QUALITY CONTROL:** One level of Sysmex XN analyzer QC material should be run along with a background check on the Cellpack DCL.

#### A. *Troubleshooting-switch to Cellpack DCL*

The switch to CELLPACK DCL may be made in the following circumstances

1. Problem with the Type II water/Type II water system
2. Problem with the RU-20

#### B. CALL SYSTEM TECHNICAL ASSISTANCE CENTER IMMEDIATELY

A TAC agent is needed to remotely connect to your analyzer and disable RU-20 errors to the XN analyzer will operate with the CELLPACK DCL until a Field Service Representative can repair the RU-20, or your Type II water problem is resolved.

**DO NOT proceed with the procedure below until the TAC agent has deemed it necessary.**

C. Connect CELLPACK DCL via supply tank

1. Locate the supply tank



2. Remove the spout kit from the supply tank labeled 'DCL'.



3. Open the pack of CELLPACK DCL and insert the spout kit from Supply Tank.
4. Remove the silver sticker from the spout kit of the Supply Tank to uncover the vent, store the sticker elsewhere on the cap ( you will need it again to cover the vent hole)
5. Tightened the cap from the spout kit on the new cube of CELLPACK DCL
6. Using the cap from the opened box of CELLPACK DCL, close the Supply Tank.
- a. The analyzer(s) are now getting CELLPACK DCL directly from this cube; the undiluted CELLPACK DST using the Type II water system is being bypassed.

When finished, you will need to reverse the steps to switch the tanks back. Please call Tech Support when finished to turn the RU-20 alarms back on.

**VII. PROCEDURAL NOTES/PROBLEM-SOLVING TIPS:**

1. Remember to write open date and initials on Cellpack reagent cubes.
2. Turn the DI water valve off when Cellpack DCL is on and then back on when DI water system is back up.
3. Make sure you change RU settings back to enable RU-20 alarms.

**VIII. REFERENCES:** Sysmex operating/troubling shooting RU- 20 guide

MMCI Laboratory is a CAP accredited facility, as of 7/1/11 the responsibility of new and/or substantially revised policies and procedures will be restricted the Laboratory Director whose name appears on the CLIA certificate, whose signature appears below. The biennial review will be completed by the Administrative Director.

Policy Created by: Kim Paige Date: 11-29-16

MEDICAL DIRECTOR		
DATE	NAME	SIGNATURE
January 29, 2017	Elizabeth A Bauer-Marsh, MD	<i>Elizabeth A. Bauer-Marsh, MD</i>
SECTION MEDICAL DIRECTOR		
January 20, 2017	Julia Adams, MD	<i>Julia Adams, M.D.</i>

REVISION HISTORY			
Rev	Description of Change	Author	Effective Date
0	Initial Release	Kim Paige	11-29-16

**Reviewed By:**

Lead	Date	Coordinator	Date	Asst. Manager	Medical Director	Date
Kim Paige	1/19/17	<i>Jane Bambenek</i>	1/19/17	<i>Kathy L. Turpin</i>	<i>Julia Adams, M.D.</i>	1/20/17