

Additional Recommendations for Cleaning the Washer LLS Board on the NEO

This communication provides additional recommendations when cleaning the NEO priming trough and LLS board. These additional recommendations should be applied every time you remove the priming trough for inspection/cleaning after washer aspiration failures.

After removing the priming trough immediately after the failure, Immucor found that a drop of PBS was trapped between the edge of the trough and the lower sensor pads of the LLS board for the failing wells. This small amount of liquid on the lower sensors is most likely trapped by static electricity and is enough to trigger unexpected aspiration failures.

Procedure:

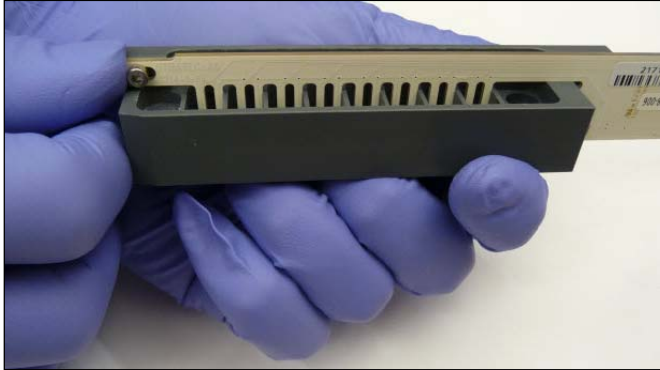

- Follow the Liquid Level Sensor and Trough maintenance task described in the NEO Operator Manual (Chapter 10: Maintaining the NEO – page 10-83)
- The new recommendations consist of the following:
 - Rinse the priming trough wells and LLS with a solution of 70% isopropanol
 - Then rinse with DI water at the end of the process (after attaching and securing the LLS to the trough and before reinserting the priming trough and LLS in its slot).

Reinserting the LLS:

Below you'll find an excerpt of the corresponding section of the Operator Manual (OM) with a new step included as per recommendations (step 3). These instructions should be used as a supplement to the current OM.

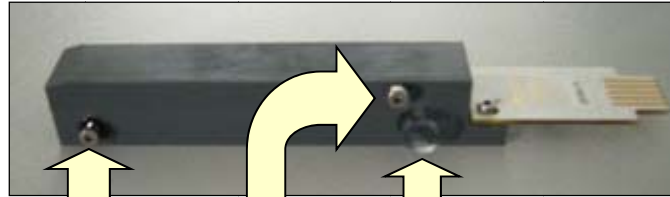
To reinsert the LLS:

Step	Action
1	<p>Use the 2 mm Allen wrench or hex key to loosely attach the LLS back into the trough by only partially screwing down the two (2) LLS screws, so that the screws do not fall off the LLS/trough combination unit.</p> <p><u>Note:</u> This is a preparatory step so that the long LLS sensor fingers can be correctly positioned before the two (2) LLS screws are tightened down securely using the 2 mm Allen wrench or hex key in step 2 below.</p>

2	<p>Push the LLS to the back of the trough (right side in picture) so that the long sensor fingers touch the well side walls. The purpose is to set the shorter fingers as far away from the left side walls as possible. Tighten the two (2) screws using the Allen wrench or hex key for 2 mm hex screws while pushing the board to the side.</p> 
3	<p>Rinse the priming trough wells and LLS attached to it (as shown below) with a solution of 70% isopropanol. Remove the residual isopropanol and rinse with DI water. Remove the residual liquid.</p> <p><u>Note:</u> Only rinse parts of the sensors that are seated into the trough wells.</p> 

4

Hold up the end of the trough nearest you at a slight upward vertical angle so that the **back** anchoring screw and the short clear tubing are lined up with the **back** anchoring slot and the tube hole respectively in the supporting base.



Front
anchoring
screw

Back
anchoring
screw

Short
clear tube



Preparing to line up the trough



Back of the trough lined up

Lower the trough down so that both of the anchoring screws are inserted into the two (2) anchoring screw slots of the supporting base. After the trough is lined up and level, push the trough away from you, to the back, until it is locked in position (refer to the photograph below).



5	<p>Power on the instrument and allow Initialization to take place.</p> <p><u>Note:</u> Repeat the LLS cleaning procedure if the Initialization generates a washer manifold error. Contact Technical Support if the error persists after this second cleaning and Initialization.</p>
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The new instructions will appear in the next NEO Operator Manual revision.

Please contact the Immucor Technical Support team at 855.IMMUCOR (466-8267) if you have questions about the information contained in this communication.