

xMAP® Sheath Fluid PLUS and MAGPIX® Drive Fluid PLUS Flush Procedure

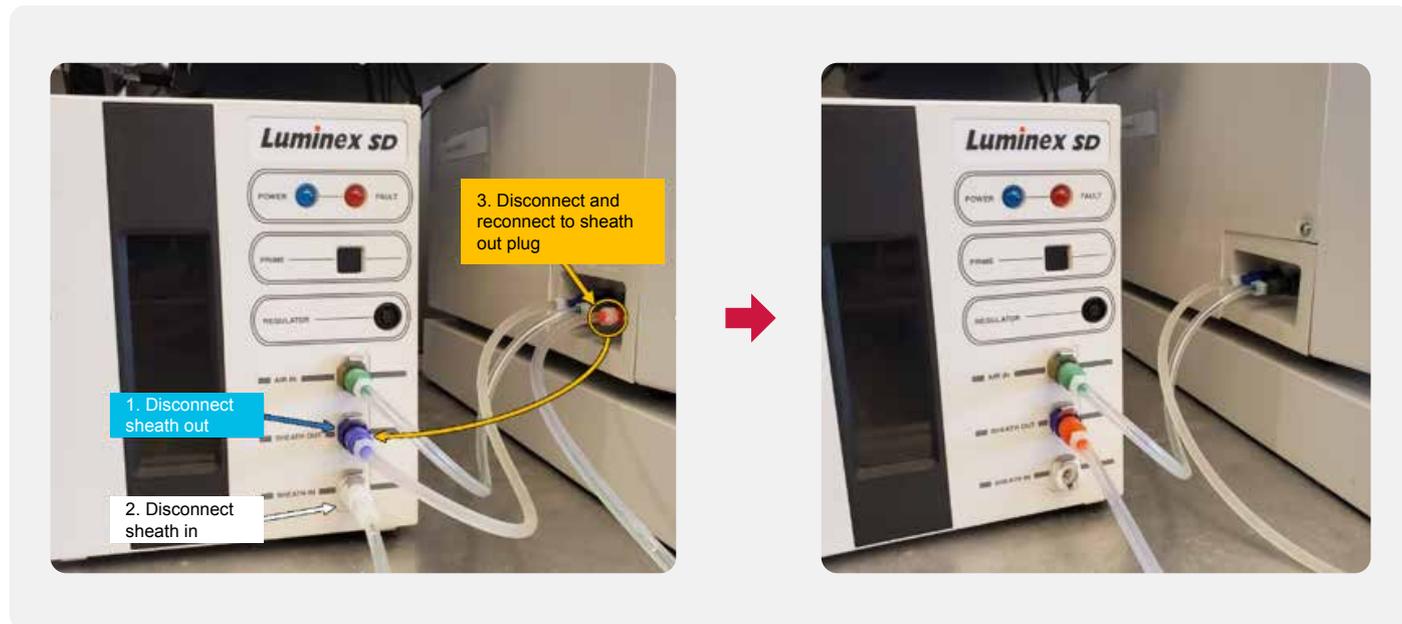
Luminex® 200™

Note: Instrument must be turned on and showing “connected” status in the software. Verify the waste container is not full before beginning. This procedure will use ~900 mL of sheath fluid.

Wear proper personal protective equipment (PPE) while performing this procedure.

1. Remove current xMAP® Sheath Fluid cubitainer and replace with xMAP Sheath Fluid PLUS cubitainer.
2. Drain the Sheath Delivery System (SDS) (see **Figure 1**).
 - a. Disconnect the sheath-out connector from the SDS.
 - b. Disconnect the sheath-in connector from the SDS.
 - c. Disconnect the orange waste line from the Luminex® 200™ (LX200) and connect this line to the sheath-out connector on the SDS.
 - d. The fluid in the tank should slowly start to drain out. If not, perform a Wash command in the LX200 software (this pressurizes the SDS and pushes out the sheath).
 - e. Once the SDS is completely drained, refill the SDS as instructed in step 3.

Figure 1. Sheath Delivery System Drainage



3. Refill the SDS (see **Figure 2**).

- a. Disconnect the orange waste line from the SDS.
- b. Reconnect the sheath-in line to the SDS.
- c. The SDS should start refilling after a couple of seconds. If not, press the Prime button on the SDS.

Figure 2. Refilling the Sheath Delivery System



4. Once the SDS has finished filling, replace all tubing to standard positions (see **Figure 3**).

Figure 3. Sheath Delivery System Tubing Connections



5. Run 6 Primes, 8 Backflushes, and 3 Washes to purge the old sheath from the fluidics lines within the analyzer.

6. Perform calibration and verification to ensure the instrument is performing properly.

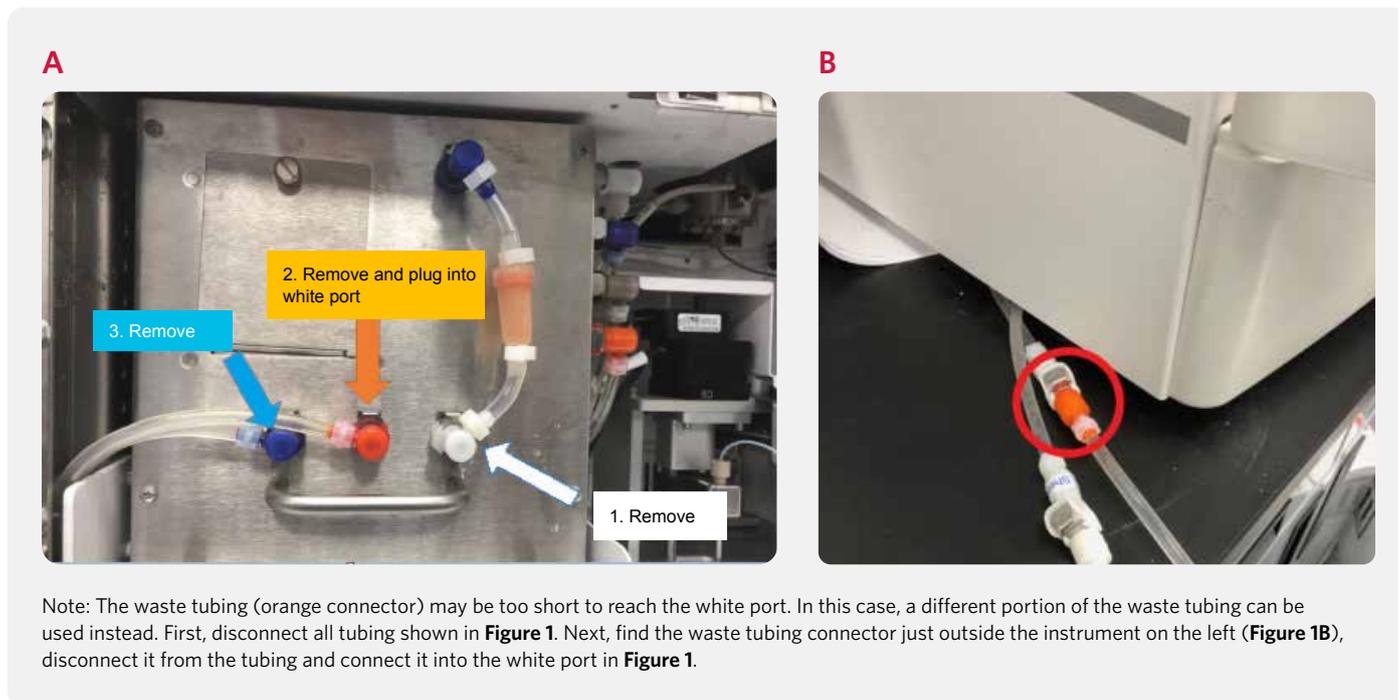
FLEXMAP 3D®

Note: Instrument must be turned on and showing “connected” status in the software. This procedure can take up to 10 minutes to complete. Verify the waste container is not full before beginning. This procedure will use ~1.2 L of sheath fluid.

Wear proper personal protective equipment (PPE) while performing this procedure.

1. Remove current xMAP Sheath Fluid cubitainer and replace with xMAP Sheath Fluid PLUS cubitainer.
2. Open doors on front of FLEXMAP 3D instrument.
3. Follow steps in **Figure 1A** below:

Figure 1. FLEXMAP 3D® System Drainage



4. The tank will automatically begin to drain. Watch the tube with the orange connector and look for bubbles, which will indicate that the tank is empty. When the tank is empty, put the hoses back where they were and run a Prime command to prompt the instrument to begin filling. The Prime command will show as completed in the software once the tank is full. (This will take a few minutes.)
5. Run 10 Primes, 8 Backflushes, and 3 Washes to purge the old sheath from the fluidics lines within the analyzer.
6. Perform calibration and verification to ensure the instrument is performing properly.

MAGPIX®

Note: Instrument must be turned on and showing “connected” status in the software. This routine will take about 10 minutes. Verify the waste container is not more than half-full before beginning.

Wear proper personal protective equipment (PPE) while performing this procedure.

1. Disconnect and remove the drive fluid bottle.
2. In the xPONENT® Software, perform two Prime commands. This should remove fluid from the lines.
3. Connect the new Drive Fluid PLUS bottle.
4. Prime 5 times.
5. Perform calibration and verification to ensure the instrument is performing properly.

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