

3

1	Calibrate the Sample Probe Height													
1. 2. 3.	Select = and navigate to MAINTENANCE > PROBE HEIGHT . Select NEW or choose a saved plate from the SAVED PLATES drop-down. If NEW was selected, select . or .													
	If needed, place the appropriate alignment disk in the specified well position:													
	96-well Hard Bottom Plate	No tool required	Well A6											
	384-well Hard Bottom Plate	No tool required	Well A12											
	96-well Filter or Mylar Bottom Plate	Large alignment disk	Well A6											
	384-well Filter or Mylar Bottom Plate	Refer to the xMAP INTELLIFLEX [®] 2.0 User M												

- Select 🕒 in the lower right-hand corner of the screen to eject the plate carrier. 4.
- 5. Place the off-plate reagent block on the plate carrier and place the plate on the plate holder.
- Place a strip well in the middle row of the off-plate reagent block. 6.
- Verify there is no liquid in the plate, strip well, or off-plate reagent block. 7.
- Select Select 8.
- Select AUTO CALIBRATE in the PLATES, RESERVOIRS, and OFF-PLATE STRIPS 9. sections.

Define the Plate

Run the Daily Routines

- 1. Select = and navigate to **PLATE** CONFIGURATION.
- 2. Select **LAYOUT** and define the well locations for unknowns, standards, controls, and backgrounds.
- 3. Select PANEL and define the bead regions to be analyzed.
- 4. Select ACQUISITION and define the acquisition settings.
- 5. Select RUN PLATE to make the run pending, or select SAVE > PLATE to save the plate for future use.

NOTE: If the Dashboard is fully expanded, select the System Status circle once to minimize its configuration.

1. Select = and navigate to

- MAINTENANCE > ROUTINES. 2. Select Daily Start-up or Daily
- Shut-down.
- Select 🙆 3.
- 4. Fill the reservoirs 3/4 full with the required reagents, as shown in the software.
- 5 Select Select Select

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Calibrate and Verify the System

Calibrate the system at least once a week and run performance verification daily. After calibration, always perform verification. Fluidics can be run as part of the cal/ver procedure, or as a standalone procedure.

NOTE: Ensure the lasers are warmed up.

- 1. Select and navigate to MAINTENANCE > CAL/VER.
- 2. Select the RUN check boxes for CALIBRATION, PERFORMANCE, and FLUIDICS.
- 3. Choose the correct lots from the **CALIBRATION**. PERFORMANCE, and FLUIDICS drop-downs.

NOTE: Select IMPORT KIT > SCAN to import the lots, if necessary.

- 4. Select 🕒
- 5. Place a strip well in the top row of the off-plate reagent block.
- Vortex the calibration and performance verification 6. reagents for approximately 10 seconds.
- 7. Fill the reservoirs 3/4 full of deionized water (DI water) and 70% isopropanol or 70% ethanol, as shown in the software.
- 8. Add six drops of each reagent into the designated wells, as shown in the software.
- 9. Select **S**, then **S**.

Figure 1: Calibration and Performance Verification Failure Flowchart



xMAP INTELLIFLEX[®] 2.0 Maintenance Log

MONTH:

YEAR:

											[11]		<u> </u>			10	الحد	10	10	6		<u></u>			الم				2010		
Day of the Month		Ľ	5	4	5	6	\square	8	9		<u> </u>			<u>14</u>	15	16		18	19	20	21	22	23	24	25	26	27	28	29	30	31
Daily																															
Warm up laser																															
Run daily start-up																															
Verify the system																															
Check fluid levels																															
Run daily shut-down																															
Weekly																															
Perform visual inspection																															
Calibrate the system																															
Clean sample probe																															
Run clog removal																															
Run weekly maintenance																															
Monthly																															
Clean exterior surfaces																															
Semi-Annual Maintenance							As Needed Maintenance																								
Replace HEPA filter	Yes	; [No (lf	If Yes, Date:						Replace sheath filter								Yes No If Yes, Date:										
Replace syringes Yes No If Yes, Date:																															
Replace sheath-in tubing	Yes	; [No		lf	If Yes, Date:																								

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If you have questions or concerns regarding this quick guide, contact Luminex Technical Support at 1-877-785-2323 or by email at support@luminexcorp.com.

This document is a supplemental tool and consistent with the instructions for use in the xMAP INTELLIFLEX® 2.0 User Manual (89-00002-00-821). Please refer to the user manual for additional information.

All instrument documentation may be updated without notice. For the latest version of manuals, quick guides, release notes and other documents, please visit www.luminexcorp.com/intelliflex or contact Luminex Technical Support at 1-877-785-2323 or by email at support@luminexcorp.com.

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