

Using the Wash Station

1. Prime Channel 1.
2. Perform your Wash Programs.
3. Rinse when finished using the instrument.
 - RINSE DAY if you will use the instrument later that day
 - RINSE NIGHT at the end of the day

Which Program Do I Use?**Assay/Step** **Program****Magnetic Bead-Based Assay***

First wash	MAG x2
All other washes	MAG x3

Vacuum-Based Assay*

Prewash	PREVAC
First wash	VAC x2
All other washes	VAC x3

* Magnetic bead-based assays are Bio-Plex Pro assays or assays that use MagPlex beads. Vacuum-based assays are the Bio-Plex® assays or assays that use nonmagnetic beads.

Manual Steps**Wash Station Protocols**

Dispense 125 µl assay buffer Perform Prewet Program (vacuum program only)	PREVAC
Dispense 50 µl bead suspension Wash 2 cycles	MAG x2 or VAC x2
Dispense 50 µl standards and solutions Incubate for 30–120 minutes* (Refer to assay manual) Wash 3 cycles	MAG x3 or VAC x3
Dispense 25 µl detection antibody Incubate for 30 minutes* Wash 3 cycles	MAG x3 or VAC x3
Dispense 50 µl SA-PE Incubate for 10 minutes* Wash 3 cycles	MAG x3 or VAC x3
Dispense 125 µl assay buffer Place on shaker and shake for 1 minute Read on Bio-Plex system array reader	—

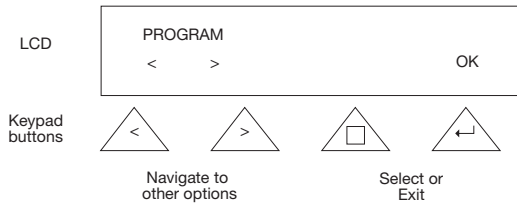
Important Vacuum Protocol Precautions

- Carefully place the plate so that it is flat and squarely seated between the metal frames on the vacuum carrier before starting a vacuum protocol
- Blot the bottom of the filter plate on a paper towel within 5 seconds after each program is completed. If you are not sure how much time has elapsed, you should run a PREVAC program to clear any residual buffer that may have wicked back into the wells before proceeding to the next step

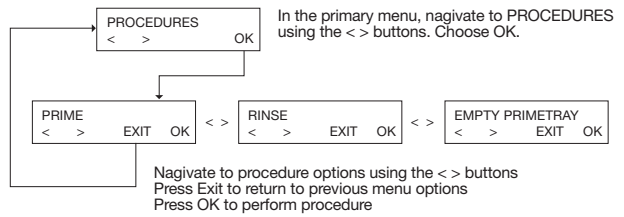
* Incubating plates should be:

1. At room temperature.
2. Covered with aluminum foil, or otherwise protected from light.
3. Shaken at 900–1,100 rpm for the first 30 seconds, and at 300 rpm for the remainder of the incubation.

Using the Keypad



Example Navigation



If you don't see the above screen press Exit until you see PROGRAM.

Follow the charts below to perform each of the indicated operations.

Using the Wash Station for Daily Operation

1. Prime Procedure

Caution: Do not run any programs until you have primed Channel 1.

Prime Channel 1 if:

- Last action was a rinse with Channel 2.
- The system has been idle for more than an hour.
- You are changing buffer in bottle 1.

2. Wash Programs

3. Rinse Procedures

Use RINSE DAY if you will use the instrument later that day.

Use RINSE NIGHT at the end of the day.

Bio-Plex Pro II Only

Enable/disable vacuum carrier

Turn the power off and restart the instrument for the change to take effect.

Clean your vacuum plate carrier daily.

Key: <> Select option shown ← Use default option

Bottle Contents

Liquid 1 — Wash buffer

Liquid 2 — Distilled water or equivalent

The Bio-Plex suspension array system includes fluorescently labeled microspheres and instrumentation licensed to Bio-Rad Laboratories, Inc. by the Luminex Corporation.

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