ProLine™ Calibration Beads

Catalog #145-1081

Intended Use

ProLine calibration beads are optimized to verify the alignment performance and determine the sort drop delay on the S3™ cell sorter. Each bottle contains a single population of ready-to-use fluorescent beads.

Contents

3 x 5 ml bottles

Concentration

1 x 10^6 beads/ml

Bead Size

6 µm

Storage Buffer Composition

Deionized water with 0.02% sodium azide and 0.01% NP-40

Storage

Store at 2–8 °C.

Important: Do not freeze. Protect from light.

Bead Lot Specifications

Specifications for each bead lot can be found in the certificate of analysis. Download the certificate of analysis from the Support section in Bio-Rad's website, **www.bio-rad.com**.

Directions for Use

Note: The supplied concentration will provide the adequate number of beads/µl for use.

Note: If the S3™ ProSort™ software is not open, double click the **ProSort icon**, log in, and select **Start-Up** in the Setup and Maintenance toolbar.

Important: Dilution of these beads is not required.

Preparation of Beads

1. Vortex the 5-ml bottle containing the ProLine beads vigorously.
2. Using the bottle dropper, release ten drops of solution (approximately 0.5 ml) into a 5-ml tube.

Quality Control Procedure

1. Place the 5-ml tube containing the ProLine calibration beads on the loading stage.
2. Move the loading stage to the run position.
3. Click **Run QC** in the Setup and Maintenance toolbar (Figure 1).

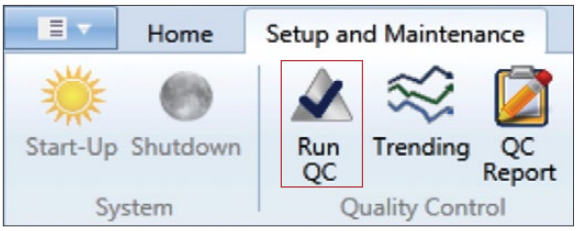

Fig. 1. Setup and Maintenance toolbar with Run QC selected.

4. Select your Bead Lot in the Event Based Alignment Settings window and click the **checkmark** (Figure 2). The software will perform both event-based alignment and drop delay setting.

Note: If your bead lot is not available in the dropdown menu, please see the S3 cell sorter manual at **www.bio-rad.com/cellsorter** for instructions on uploading a bead lot file.

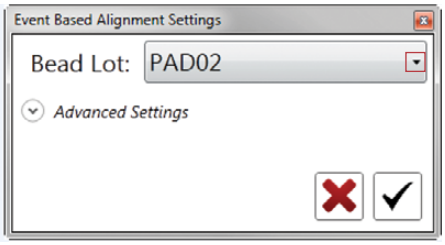

Fig. 2. Event Based Alignment Settings window with bead lot dropdown arrow selected.

5. After the drop delay setting is completed, click the **checkmark** in the Drop Delay Alignment Status window (Figure 3).

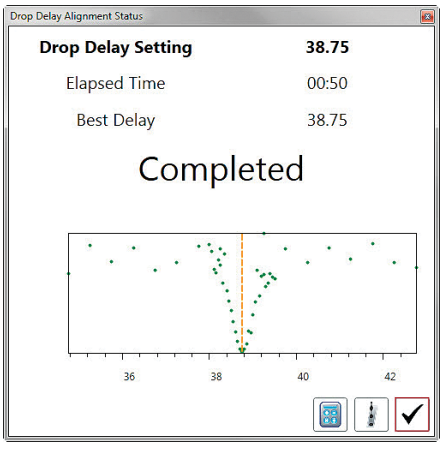

Fig. 3. Drop Delay Alignment Status window with checkmark selected.

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6. The QCReportWindow will appear with a passed/failed QC Status (Figure 4).

Passed QC Status: The S3 cell sorter is ready to use. Close the QCReportWindow and start your run.

Failed QC Status: Rerun the quality control procedure up to two more times. If a failure continues, contact your local technical support team at **www. bio-rad.com**.

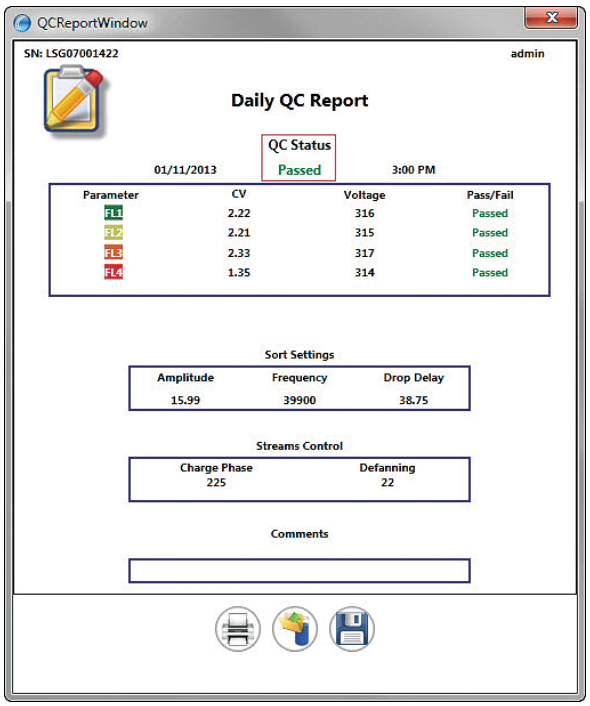

Fig. 4. QCReportWindow with passing QC Status.

Caution: This reagent is for research use only.

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10030821 Rev A US/EG *12-2051 0113 Sig 1212*