

EQ™ Four Element Calibration Beads

WARNING Before handling any chemicals, refer to the Safety Data Sheet (SDS) provided by the manufacturer, and observe all relevant precautions.

Catalog#: 201078

Contents and Storage:

- EQ™ Four Element Calibration Beads contain natural abundance cerium (140/142Ce), europium (151/153Eu), holmium (165Ho), and lutetium (175/176Lu).
- 100 mL of beads at 3.3x10E+05 beads/mL are provided.
- Store at 4 °C (stable for at least 6 months).

Directions for Use

For data normalization samples are re-suspended in 0.1X EQ Beads and acquired according to the following procedure:

- 1 Shake beads vigorously** to re-suspend.
- 2 Prepare sufficient volume of 0.1X beads to re-suspend all samples in the experiment by diluting 1 part beads to 9 parts deionized water (18MΩ, ultrapure).
- 3 After completing the final water wash of the cell sample, but immediately prior to injecting sample for analysis, re-suspend the resultant cell pellet in 0.1X bead solution (~33,000 EQ beads per mL).
- 4 Filter the cell-bead suspension through a 35 to 45 μm mesh immediately prior to injection into the instrument.
- 5 When creating the instrument Template for data collection, select Ce140, Eu151, Eu153, Ho165 and Lu175 as channels to be collected (in addition to other channels necessary for the experiment).
- 6 Follow the directions in the User Guide, "Normalization of Mass Cytometry Data using EQ™ Four Element Beads" for additional information on collection and analysis of data for normalization.

For technical support visit fluidigm.com/support

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