**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).

For technical support visit fluidigm.com/support

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