

# CyTOF<sup>®</sup> Calibration Beads

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

Catalog#: 201073

Contents and Storage:

- CyTOF<sup>®</sup> Calibration Beads contain natural abundance europium (151/153Eu).
- 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 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 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 Eu151 and Eu153 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<sup>™</sup> Four Element Beads" for additional information on collection and analysis of data for normalization.

**For technical support visit [fluidigm.com/support](http://fluidigm.com/support)**

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