Flow Cytometer Calibration Beads Protocol-At-A-Glance

This protocol describes how to calibrate flow cytometers with 488 nm laser lines that excite the green fluorescent proteins AcGFP1 (*Aequorea coerulescens* GFP) and EGFP, or flow cytometers with 561 nm laser lines that excite the red fluorescent protein, mCherry. Calibrate 488 nm laser lines using the **AcGFP Flow Cytometer Calibration Beads** (Cat. No. 632594). Calibrate 561 nm laser lines using the **mCherry Flow Cytometer Calibration Beads** (Cat. No. 632595).

Protocol: Preparing Calibration Beads for Flow Cytometer Analysis

1. Add 1 ml of 1X Flow Cytometer Calibration Beads Dilution Buffer to a standard flow cytometer sample tube (BD Falcon 5 mL Polystyrene Round-Bottom Tubes, Disposable, VWR Cat. No. 60819-310).
2. Invert the stock tube of Calibration Beads 5 to 10 times to resuspend the beads.
3. After the beads are fully resuspended, transfer 20 µl of the bead suspension to the flow cytometer sample tube containing the dilution buffer.
4. Cap the sample tube and invert it 5 times to mix the diluted bead suspension.
5. Insert the sample tube into the sample port of the flow cytometer and run an analysis on the instrument.

Contact Us For Assistance	
Customer Service/Ordering	**Technical Support**
Telephone: 800.662.2566 (toll-free)	Telephone: 800.662.2566 (toll-free)
Fax: 800.424.1350 (toll-free)	Fax: 800.424.1350 (toll-free)
Web: www.clontech.com	Web: www.clontech.com
E-mail: orders@clontech.com	E-mail: tech@clontech.com

Notice to Purchaser