

**Calibration Beads 3 μm, ready-to-use**

**INTENDED USE**

This micro bead suspension is for the alignment of the laser beam and the flow cuvette in a flow cytometer. With an excitation light source of 488 nm the beads suspension will show an emission spectrum from green to red. It can be used for daily quality control with standard settings.

**KIT COMPONENTS**

Packing contains reagents for 30 tests.

1 x 30 ml *Calibration Beads 3 μm, ready-to-use*  
(solids-latex microspheres in aqueous suspension)

**INSTRUCTIONS**

For instrument alignment and quality control, please refer to the IFU of your Flow Cytometer.

- shake bottle thoroughly for 2 minutes before use
- pipette at least 850 μl of beads suspension into a sample tube, avoid air bubbles
- plug sample tube to the sample port of the flow cytometer and start measurement

**Instrument requirements:**

A flow cytometer with 488 nm laser light source, capable of analyzing forward scatter (FSC), side scatter (SSC) and fluorescence parameters. Fluorescence emission of *Calibration Beads 3 μm, ready-to-use* will be detected in the green fluorescence parameter.

**Instrument settings:**

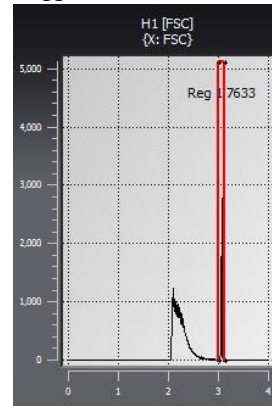
- Laser light source: 488 nm
- Trigger: FSC or green fluorescence detecting parameter
- Speed: 1 μl/sec

**Data analysis:**

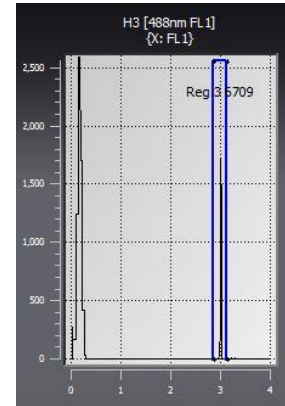
- Signals of the beads can be displayed in any histogram of FSC, SSC and green fluorescence detecting parameter

For routine quality control, monitor CV values and gain settings, please refer to the IFU of your CyFlow® instrument.

*Calibration Beads 3 μm, ready-to-use* measured on CyFlow® Cube8;  
Trigger = FSC



Histogram of FCS



Histogram of FL1

	Particles	Mean	CV	Median
Reg 1	10008 (12%) Limit: 10000	7588.99	3.11	7629
Reg 3	9708 (11%)	6700.41	3.17	6709

CV values below 6%

**STORAGE AND STABILITY**

Storage: 2-8°C in the dark  
Shelf life: Please refer to the expiry date labeled on the bottle.

**DISPOSAL PROCEDURE**

Disposal procedure should meet requirements of applicable local regulations.

**MANUFACTURER**

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