

Rev.: 001 Issued July 2014
Read this package insert carefully before use

REF 05-4010

Count Check Beads (low, medium, high)

INTENDED USE

These micro bead suspensions have a fluorescence emission spectrum from green to red with an excitation light source of 488 nm. They are for quality control of absolute counting and can be used as reference beads. *Count Check Beads (low, medium, high)* come in three different concentrations. It is also control material for instrument performance of a flow cytometer with fluorescence excitation of 488 nm.

KIT COMPONENTS

Ready to use micro beads suspensions in three different concentrations:

2 x 25 ml	<i>Count Check Beads - Low</i> approx. 30 000 particles/ml \pm 10%
2 x 25 ml	<i>Count Check Beads – Medium</i> approx. 100 000 particles/ml \pm 10%
2 x 25 ml	<i>Count Check Beads – High</i> approx. 250 000 particles/ml \pm 10%

The concentration of the Beads suspension is lot-specific and indicated on the label of each bottle.

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 850 μ l of beads suspension into a sample tube, avoid air bubbles
- Plug sample tube to the sample port of the flow cytometer and start measurement
- Repeat counting with another concentration of beads suspension

Instrument requirements:

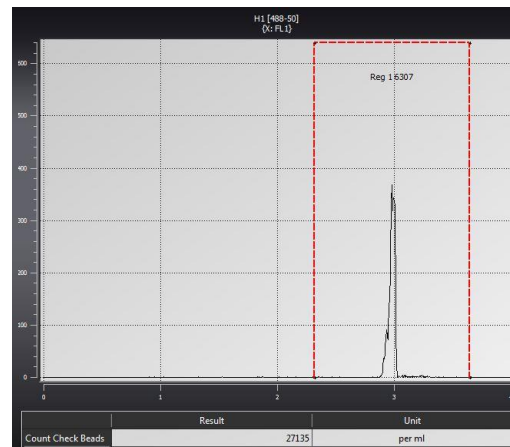
A flow cytometer with 488 nm laser light source, capable of analyzing forward scatter (FSC), side scatter (SSC) and a green fluorescence parameter. Fluorescence emission of *Count Check Beads (low, medium, high)* can be measured in the green fluorescence detecting parameter.

Instrument settings:

- Laser light source: 488 nm
- Trigger: green fluorescence detecting parameter
- Speed: 1 μ l/sec

Data analysis:

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



Histogram of *Count Check Beads- Low*, displayed in the green fluorescence detecting parameter

If the aberration between counting result and indicated concentration on the label of the bottle is more than 10%, please refer to the IFU of your flow cytometer.

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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