

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

REF 05-4012

## Red Fluorescent Particles Concentrate

### INTENDED USE

This micro bead suspension is suitable for the alignment of the laser and the cuvette in a flow cytometer and to monitor the instrument performance. The fluorescence emission is between 600 and 700 nm with fluorescence excitation of 488 nm and 638 nm. It can be used for daily quality control with standard settings.

### KIT COMPONENTS

5 ml *Red Fluorescent Particles Concentrate*  
(6  $\mu$ m polystyrene particles in aqueous suspension)

### INSTRUCTIONS

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

Dilution for use:

Dilute one drop of *Red Fluorescent Particles Concentrate* in 3 - 5 ml 0.1% NaCl solution. Mix suspension well before using.

Instrument requirements:

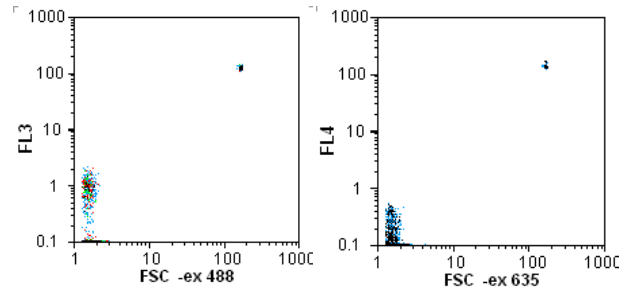
A flow cytometer with 488 nm and/or 638 nm laser light source, capable of analyzing forward scatter (FSC), side scatter (SSC) and red fluorescence parameters.

Instrument settings:

- Laser light source: 488 nm and/or 638 nm
- Trigger: FSC
- Speed: 1  $\mu$ l/sec

Data analysis:

- Signals of the beads can be detected in any histogram and dot plot of FSC, SSC and red fluorescence channel



Dot plot of Red Fluorescent Particles measured FSC versus red fluorescence channel with different excitation light sources

### STORAGE AND STABILITY

Storage: 2-8°C in the dark

Shelf life: Please refer to the expiry date labeled on the bottle.

Flow cytometric analysis:

Fluorescence excitation:  $\lambda$  = 488 nm;  $\lambda$  = 638 nm

Fluorescence emission: 600 - 710 nm

### DISPOSAL PROCEDURE

Disposal procedure should meet requirements of applicable local regulations.

### MANUFACTURER

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