

Product Datasheet

Rainbow Calibration Particle Set (8 peaks - EAL01) - EuroFlow(TM) NBP3-00506

Unit Size: 5 ml

Store at 4C in the dark. Do not freeze.

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NBP3-00506

Rainbow Calibration Particle Set (8 peaks - EAL01) - EuroFlow(TM)

Product Information	
Unit Size	5 ml
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C in the dark. Do not freeze.
Preservative	0.02% Sodium Azide
Buffer	Deionized water, 0.01% NP-40

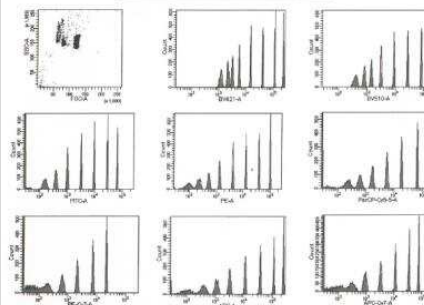
Product Description	
Description	<p>Rainbow Calibration Particles are a mixture of fluorophore incorporated particles with 8 different fluorescent intensities that are used for calibrating flow cytometers:</p> <ul style="list-style-type: none"> Excite particles at any wavelength from 365 to 650 nm. Calibrate multiple channels with the same set of particles. Enable non-spectral matching to common fluorophores such as FITC, PE, PE-Cy5. Deliver durable performance since fluorophores are encased within particles, not on the surface. Remain stable for several years. Packaged in a dropper bottle for easy dispensing and storage. <p>Concentration: 1×10^7 particles / mL</p> <p>Particle size: 3.0 - 3.4 micron</p> <p>Particle material: polystyrene</p> <p>Uses: Long term performance tracking or routine calibration of flow cytometers, specific for following the EuroFlow(TM) standardization guidelines. Routine alignment and calibration in fluorescence and confocal fluorescence microscopy.</p>

Product Application Details	
Applications	Flow Cytometry, Fluorescence Imaging
Recommended Dilutions	Flow Cytometry, Fluorescence Imaging
Application Notes	Shake vigorously or vortex briefly before use. Inclusion of a small amount of detergent in the diluent will help increase the number of singles. Diluted particles can be stored at 4C for future use.

Images

Rainbow Calibration Particle Set (8 peaks - EAL01) [NBP3-00506] - Dot Plot and histograms for NBP3-00506 on a BD Biosciences LSRFortessa (TM) X-20 using assigned target values.

Channel	Current (M) (M)	Target Value	Major (M) (M)
Pacific Blue	10.033	104.000	123.922
Pacific Orange	73.500	85.254	98.084
FITC	23.292	25.402	31.313
PE	33.691	38.039	44.195
PE-Cy5.5	57.874	64.067	74.361
PE-Cy7	4.776	7.901	9.148
APC	70.460	112.936	128.773
APC-AF	28.594	33.641	38.687





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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