

# Product Datasheet

## Max Rainbow Fluorescent Particle Set (0.1 - 0.3 $\mu\text{m}$ ) NBP3-00507

Unit Size: 2 ml

Store at 4C in the dark.

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**NBP3-00507**Max Rainbow Fluorescent Particle Set (0.1 - 0.3  $\mu\text{m}$ )

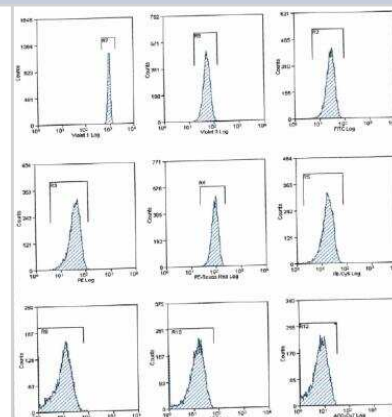
Product Information	
<b>Unit Size</b>	2 ml
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at 4C in the dark.
<b>Preservative</b>	0.02% Sodium Azide
<b>Buffer</b>	Deionized water, 0.01% NP-40

Product Description	
<b>Description</b>	<p>The Max Rainbow Fluorescent Particles are designed to ensure optimal flow cytometer alignment.</p> <ul style="list-style-type: none"> <li>• Contain a single peak, similar to Rainbow Fluorescent Particles.</li> <li>• Excite particles at any wavelength from UV to IR.</li> <li>• Calibrate multiple channels with the same set of particles.</li> <li>• Exhibit minimal coefficient of variation (CV) of fluorescence intensity.</li> <li>• Remain stable for several years.</li> <li>• Packaged in a dropper bottle for easy dispensing and storage.</li> </ul> <p>Concentration: <math>1 \times 10^{10}</math> particles / mL</p> <p>Particle size: 0.1 - 0.3 micron</p> <p>Particle material: polystyrene</p> <p>Uses: Performance tracking in multiple channels (UV, violet, green, yellow, orange, far red, and IR)</p>

Product Application Details	
<b>Applications</b>	Flow Cytometry
<b>Recommended Dilutions</b>	Flow Cytometry
<b>Application Notes</b>	Use in routine calibration of flow cytometers. Dilution of 1 - 2 drops to 1 mL will provide adequate number of particles for flow cytometry. Shake vigorously or vortex 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**

Max Rainbow Fluorescent Particle Set (0.1 - 0.3  $\mu\text{m}$ ) [NBP3-00507] - Histograms showing flow data in 9 channels, demonstrating the single peak fluorescence capabilities.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA

Phone: 303.730.1950

Toll Free: 1.888.506.6887

Fax: 303.730.1966

[nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada

Phone: 905.827.6400

Toll Free: 855.668.8722

Fax: 905.827.6402

[canada.inquires@bio-techne.com](mailto:canada.inquires@bio-techne.com)

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15

Fax: (44) (0) 1235 533420

[info.EMEA@bio-techne.com](mailto:info.EMEA@bio-techne.com)

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)

Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)

Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)

General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **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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