

## Cyto-Plex™ 4 µm Red Fluorescent Carboxylated Microspheres for Suspension Array Analysis

**CATALOG NUMBER:** FM4CR01 – FM4CR12

**VOLUME:** 1 mL aqueous suspension with 2 mM sodium azide and 0.05% Tween-20

**CONCENTRATION:** 0.5% solids

**CARBOXYL CONTENT:** See product label.

**STORAGE UPON RECEIPT:** Store refrigerated. Protect from light. Do not freeze.

**PRODUCT DESCRIPTION:** Cyto-Plex Red Fluorescent Carboxylated Microspheres for Suspension Array Analysis are uniform 4 micrometer (µm) microspheres dyed with a fluorescent dye that emits maximally at 700 nm. They are prepared with twelve discrete dye levels, enabling multiple analyte assays to be carried out using reporter dyes emitting in either FL1 (FITC) or FL2 (PE) channels. The microspheres have high density carboxyl surfaces, enabling commonly used coupling strategies for a wide variety of biomolecules to be employed.

**DIRECTIONS FOR USE:** The particles must be thoroughly dispersed and resuspended before use. They can easily be resuspended by vortex mixing or a brief (15 second) immersion in a low power ultrasonic bath. A clean pipette can be used to take samples from the bottle. Shaking the bottle is not recommended as the product may foam.

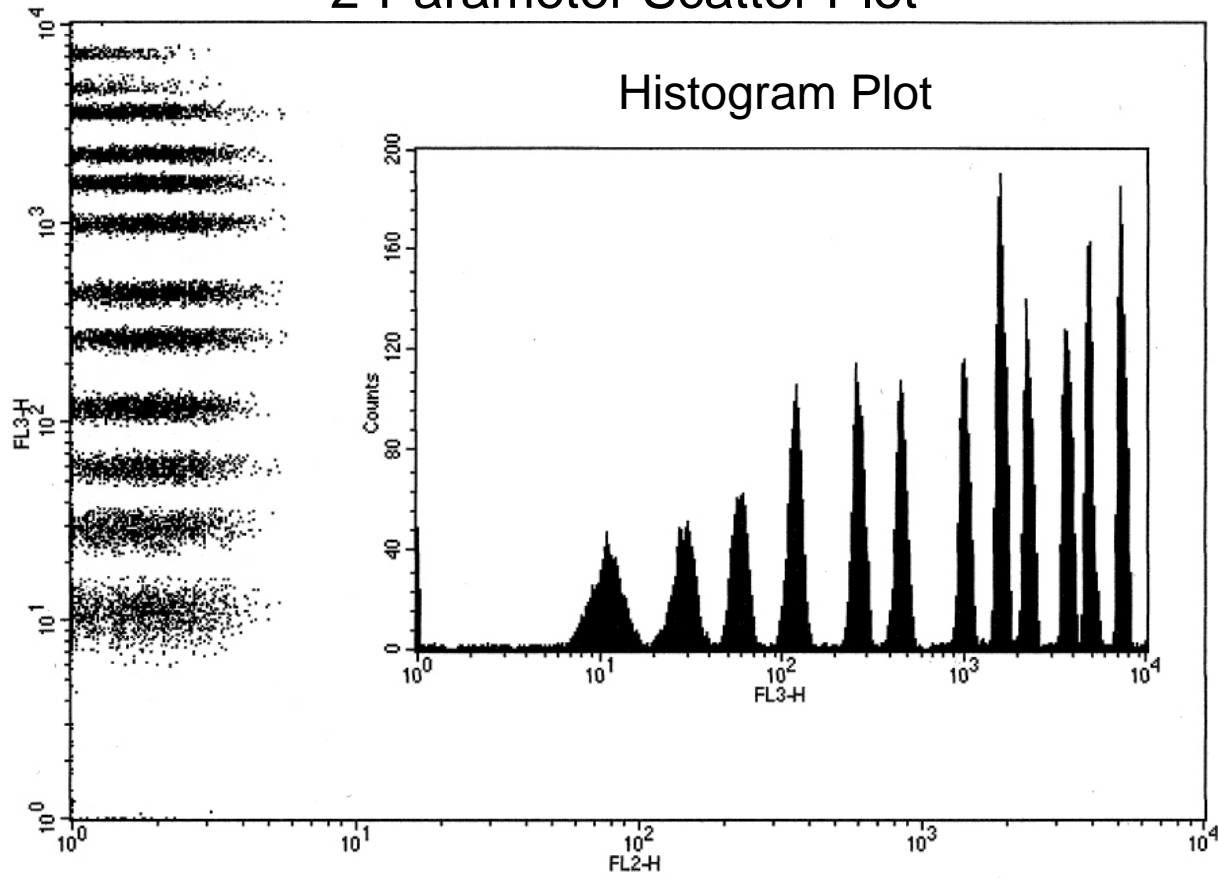
**EXPIRATION:** The expiration date is on the label. This product should not be used past its expiration date.

**LIMITED WARRANTY:** These products are intended for laboratory use by trained scientific personnel. Determination of their suitability for specific end-use is the responsibility of the user, who assumes all liability for loss or damage arising out of the use of the product. Rebottling or relabeling voids the warranty and certification. Microgenics Corporation's warranty is limited to replacement of defective products if returned with our authorization within 60 days of purchase date.

THE FOREGOING WARRANTY SHALL BE IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MICROGENICS BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

**NOTE: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC USE. NOT TO BE USED FOR MAKING MEDICAL DECISIONS.**

## 2-Parameter Scatter Plot



Cyto-Plex twelve bead set for multiplex applications using flow cytometry.  
Each of the dye-coded bead components in the set is completely separated from all the others.  
Data obtained on a FACSCAN. Becton, Dickinson and Co., San Jose, CA