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## Cyto-Cal™ Low Intensity Standard

**CATALOG NUMBER:** FL6

**VOLUME:** 3 mL aqueous suspension with 0.05% Tween-20 and 2 mM sodium azide

**CONCENTRATION:**  $4 \times 10^6$  particles/mL

**STORAGE UPON RECEIPT:** Store at 2-8 °C, protected from light. Do not freeze.

**PRODUCT DESCRIPTION:** In many applications, it is critical to separate dim labeled cells from unlabeled cells. The Cyto-Cal Low Intensity Standard enables simultaneous monitoring of the FL1, FL2 and FL3 channels for adequate fluorescence sensitivity and discrimination. The calibrator consists of 6 micrometer ( $\mu\text{m}$ ) undyed microspheres and microspheres containing multiple dyes carefully adjusted for precise calibration of low level fluorescence. Under normal operating conditions in all three channels, the calibrator will show a signal similar to unlabeled cells along with a peak approximating dim labeled cells, as shown on the accompanying graphic.

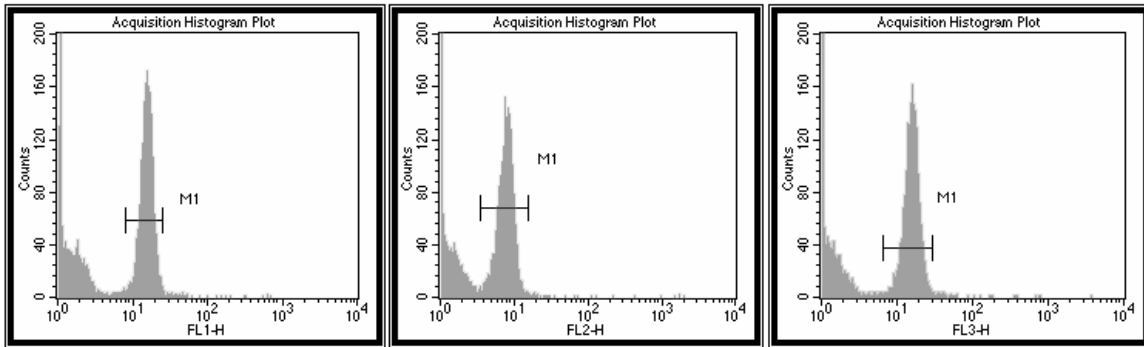
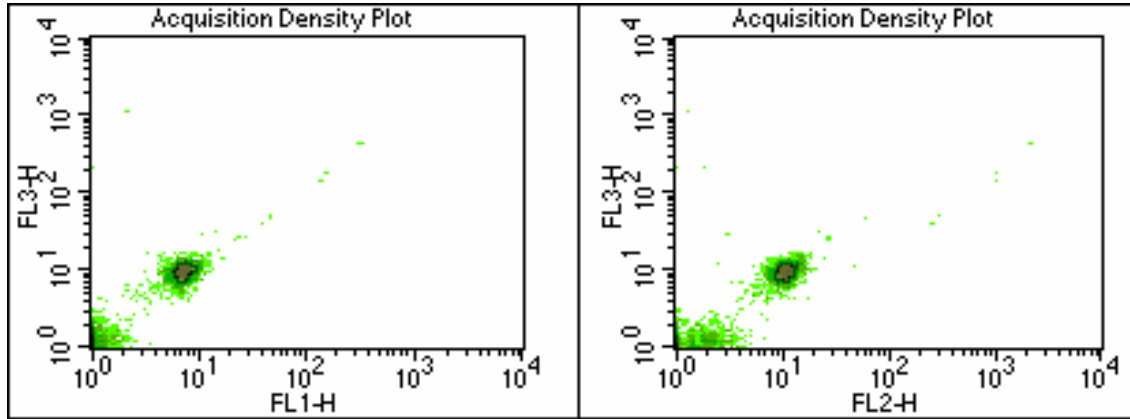
**DIRECTIONS FOR USE:** The microspheres are provided in a convenient dropper tip vial for dispensing the sample. The suspensions should be mixed by gentle inversion by hand or vortex mixer to ensure that the particles are completely suspended before use. Addition of 1-2 drops to approximately 1 mL of buffer or sheath fluid will usually be sufficient to produce acceptable results.

**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 a 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.**



Sample of expected data output using the Cyto-Cal Low Intensity Standard  
Data obtained on a FACSCAN. Becton, Dickinson and Co., San Jose, CA  
Other instruments may exhibit different low-end discrimination.