1. Technical Data Sheet

Summary	FluoroCytes™ eGFP Multipeak Control is a compensation and unmixing control containing eGFP fluorescent protein.
Application	FluoroCytes™ provide an authentic fluorescent protein signal for compensation and unmixing. Each test consists of four distinct populations including a negative and three positive levels (low, medium, high) of eGFP. This product is designed to provide an off-the-shelf solution to replace the burden of generating and maintaining reporter cell lines for single cell controls. Note: FluoroCytes™ performance has been verified and validated on analytical flow cytometers and not on cell sorters. **For Research Use Only. Not for use in diagnostic or therapeutic procedures.**
Materials	This product is lyophilized for stability and ease of use. Each tube contains 200,000 mimics.
Handling and Safety	No special handling or safety precautions are necessary. See the Safety Data Sheet (SDS) at www.slingshotbio.com.
Storage	Store lyophilized products at -20°C upon receipt.
Expiration	Refer to Certificate of Analysis (CoA) and product label
Instructions for Use	1. Remove the tube of FluoroCytes™ from the -20 °C and let it sit at room temperature for 5 minutes. 2. Tap down the tube to ensure that all cell mimics are collected at the bottom of the tube. 3. Add 250 µL of flow staining buffer directly to the bottom of the tube. Note: Avoid contacting or disturbing the pellet until it has been hydrated (~2 minutes). 4. Gently pipette up and down ten times to resuspend the cell mimics. Avoid introducing bubbles. Protect the samples from light and keep cold until acquisition. 5. Acquire the samples using the same Forward and Side Scatter parameters (FSC-A and SSC-A) as would be used for actual cells. Refer to QC data for expected populations. Note: For best results, acquire samples immediately after reconstitution.

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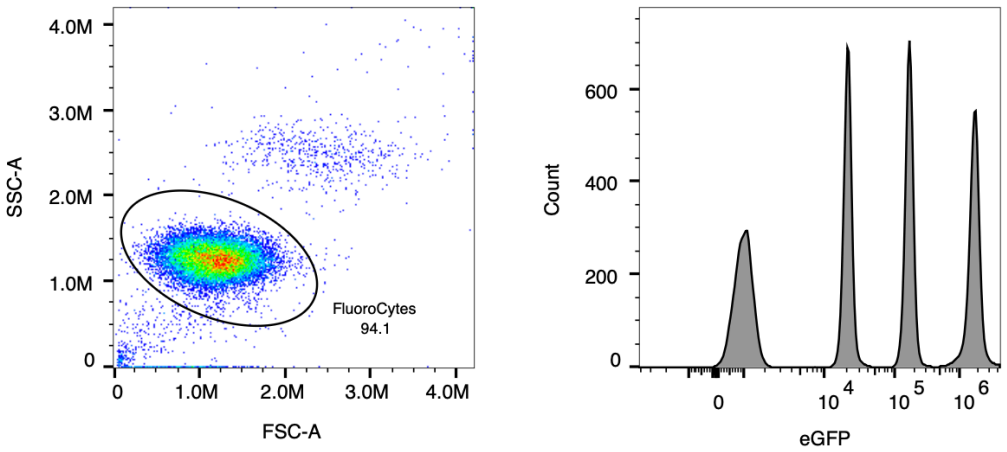
QC Data	 Figure 1. Left: Scatter plot of FluoroCyte™ mimics. Right: FluoroCytes™ histogram plot showing negative, low, medium and high populations
Technical Support	For technical support regarding this product, please contact: support@slingshotbio.com

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