

1. Technical Data Sheet

Summary	FlowCytes® synthetic white blood cells (WBC) are shelf stable hydrogels that mimic the optical properties of non-fixed human blood populations for lymphocytes, monocytes, and granulocytes. There is no sample preparation needed, unlike traditional biological controls.
Application	FlowCytes® synthetic WBC are intended as forward and side scatter controls for the identification and analysis of non-fixed whole blood populations and other cell types. This product can be used to calibrate and evaluate flow cytometry instrumentation or as a control in an assay to standardize gating. For Research Use Only. Not for use in diagnostic or therapeutic procedures.
Materials	FlowCytes® are hydrogels that are suspended in aqueous solution and are packaged in a convenient dropper bottle. Each bottle contains approximately 2.5x10 ⁶ particles/mL.
Handling and Safety	FlowCytes® synthetic WBC contains no biological material so it is safe to use in any environment and requires no special disposal. See SDS at www.slingshotbio.com .
Instructions for Use	<ol style="list-style-type: none"> 1. Vortex bottle on high for 2-3 seconds to resuspend FlowCytes 2. Add 1 drop to 100 µL of PBS or sheath fluid 3. Vortex mixture on high for 2 seconds to mix thoroughly 4. View and acquire FlowCytes in FSC-A and SSC-A using the same instrument settings as real whole blood cells 5. For best results, set the flow rate on the cytometer to low
Storage	FlowCytes® can be stored at 2 - 30 °C
Expiration	One year from the date of manufacturing.
QC Data	