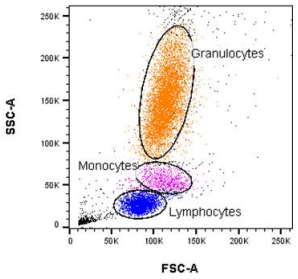
Clinical Discovery Research Reagents

Product: **BD Horizon™ Dri Leukocyte Control Cells**
Part number: 653839
Cell count: 2 x 10^6 to 3 x 10^6 cells per tube
Stability: 12 months from manufacturing date (closed pouch), 5 days after reconstitution
Package: The kit includes 1 pouch of 5 tubes and 1 vial of reconstitution buffer (3 mL).



BD Horizon™ Dri Leukocytes are dried lysed whole blood cells that can be used as positive, negative, and procedural controls in a variety of flow cytometric applications. These may include quality control of reagents, procedural controls for immunoassays, routine instrument monitoring, and assay design verifications. They can also be used for longitudinal studies and standardizing results across multiple instruments and locations.

Storage and handling

BD Horizon Dri Leukocytes should be at stored at 2°C to 8°C. They should not be frozen. Protect the tubes from exposure to humidity during storage, and protect from light during and after staining. The cells and reconstitution buffer are stable until the expiration date shown on the pouch and bottle labels when stored as directed. Do not use after the expiration date. Due to the moisture sensitivity of BD Horizon Dri Leukocytes, ensure the pouch is immediately and completely resealed after removing a tube. Do not remove the desiccant from the pouch.

Procedure for direct immunostaining of surface markers

1. Equilibrate the pouch to room temperature for 5 minutes before opening.
2. Remove the desired tubes from the pouch, and immediately reseal the pouch for long-term storage at 2–8°C.
3. Add 500 µL of BD Horizon Dri Leukocyte reconstitution buffer to one tube. Vortex gently to mix.
   Note: Each tube contains 5 tests. We recommend 100 µL of resuspended cells per test.
4. Add the appropriate volume of staining reagent to each tube, vortex, and incubate in the dark for 20 to 30 minutes at room temperature.
5. Add 2 mL of 1X PBS wash buffer to the tube. Vortex to mix.
6. Centrifuge for 5 minutes at 300–500 *g*.
7. Aspirate the supernatant and resuspend the stained cell in 400 µL of 1% paraformaldehyde (PFA).
8. Acquire immediately or store at 2–8°C and acquire within 24 hours of staining.

Visit our website lp.bd.com/cdrr or contact your local BD representative for a comprehensive list of cellular and intracellular markers tested, or specific staining procedures.

Product notices

This product is made from normal whole human blood cells. The blood used in preparation of this product is tested and found to be negative for human immunodeficiency virus (HIV) type 1 and type 2, and the hepatitis B and hepatitis C viruses. This product contains the preservative ProClin™. All biological specimens are considered biohazards. Handle as if capable of transmitting infection and dispose of with proper precautions in accordance with federal, state, and local regulations. Never pipette by mouth. Wear suitable protective clothing, eyewear, and gloves.