



# BD™ SpectraComp™ Unmixing and Compensation Particles

One-drop, easy-to-use controls for flow cytometry

*BD™ SpectraComp™ Unmixing and Compensation Particles are a multi-species reference control that can be used for correcting fluorescence spillover in flow cytometry. They can simplify setting up controls for experiments as they expand the range of antibodies that be recognized with a single bead.*



## Broad Specificity

- Reactive against mouse, rat and hamster Ig, kappa and lambda light chains



## Performance

- Low autofluorescence
- Works on all laser lines, including violet and UV



## Ease of Use

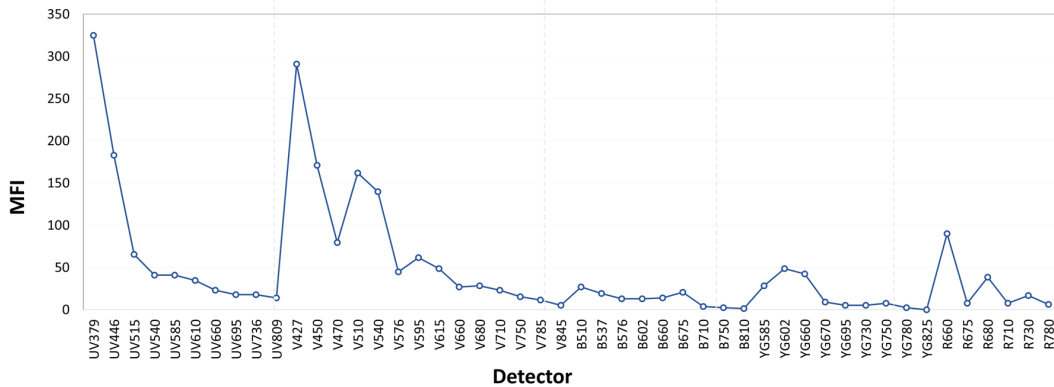
- Positive and negative control beads for all species in a single drop
- Compatible with BD Horizon™ Brilliant Stain Buffer and commonly used lysis and fix/perm buffers



## Versatility

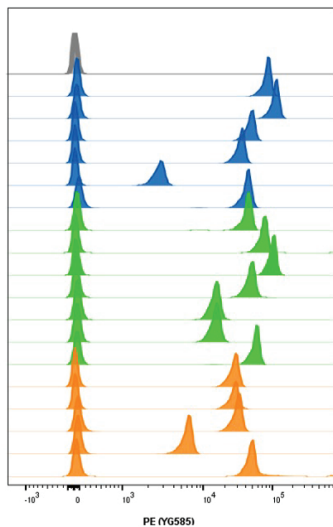
- Demonstrated use on spectral and conventional sorters and analyzers
- Compatible with BD Horizon Brilliant™, BD Horizon RealYellow™, BD Horizon RealBlue™ and legacy fluorochromes

# BD™ SpectraComp™ Unmixing and Compensation Particles have low autofluorescence



Autofluorescence measured as Median Fluorescence Intensity (MFI) derived from the full spectrum detectors of the BD FACSymphony™ A5 SE Cell Analyzer for BD™ SpectraComp™ Unmixing and Compensation Particles. Flow cytometry and data analysis were performed using a BD FACSymphony™ A5 SE Cell Analyzer and FlowJo™ Software.

## BD™ SpectraComp™ Unmixing and Compensation Particles bind mouse, rat and hamster (Armenian and Syrian) immunoglobulins



- Unstained
- Mouse IgG1, κ (SK3)
- Mouse IgG2a, κ (OKT8)
- Mouse IgG2b, κ (2H7)
- Mouse IgG3, κ (4C8)
- Mouse IgM, κ (CB38)
- Mouse IgG1, λ (IPI683.rMab)
- Rat IgG1, κ (9-4D2-1E4)
- Rat IgG2a, κ (53-6.7)
- Rat IgG2b, κ (RB6-8C5)
- Rat IgG2c, κ (30-F1)
- Rat IgM, κ (AL-21)
- Rat IgG1, λ (PC61)
- Rat IgG2b, λ (RR4-7)
- Armenian Hamster IgG (145-2C11)
- Armenian Hamster IgG (GL3)
- Armenian Hamster IgG (E36-239)
- Armenian Hamster IgG (HL3)
- Syrian Hamster IgG (37.51)

BD™ SpectraComp™ Unmixing and Compensation Particles were labeled with PE-conjugated monoclonal antibodies of different Ig isotypes from different species at 0.25 µg or 0.5 µg for each clone following the recommended protocol. The PE (YG585) fluorescence histograms show the staining profiles for either unstained particles (lowest fluorescence) or particles labeled with one staining monoclonal antibody of mouse, rat or hamster origin. The emitted fluorescence of the particles was excited by the 561 nm yellow-green laser and captured by the YG 585 nm detector. Flow cytometry and data analysis were performed using a BD FACSymphony™ A5 SE Cell Analyzer and FlowJo™ Software.

**Want to try a sample? Contact your local sales representative for more information.**

BD flow cytometers are Class 1 Laser Products.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

BD™ SpectraComp™ Unmixing and Compensation Particles are powered by Slingshot Biosciences.

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