

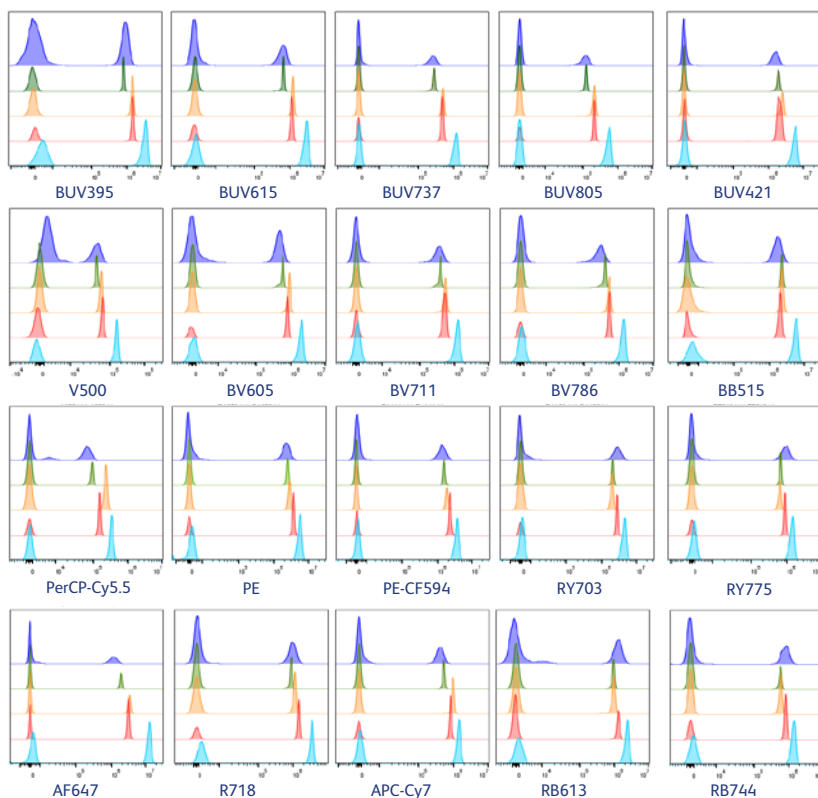


BD™ SpectraComp™ Beads

The Brightest Compensation Controls

BD™ SpectraComp™ Beads are the brightest, commercially available one-drop controls that can be used for correcting fluorescence spillover in both conventional and spectral flow cytometry. They can simplify experimental control setup, as a single bead can bind multiple isotypes and up to five species (human, rabbit, mouse, rat and hamster).

BD™ SpectraComp™ Beads are shown to provide consistent, brighter signal on positive populations in comparison to Thermo Fisher UltraComp eBeads™ Spectral Unmixing Beads, Thermo Fisher UltraComp eBeads™ Plus Compensation Beads and BioLegend Compensation Beads. Bright particles are crucial to accurately correct for spillover in flow cytometry, where unmixing errors can affect resolution and obscure populations.



BD™ SpectraComp™ XT Unmixing and Compensation Particles (5 species) are brighter than competitor beads.

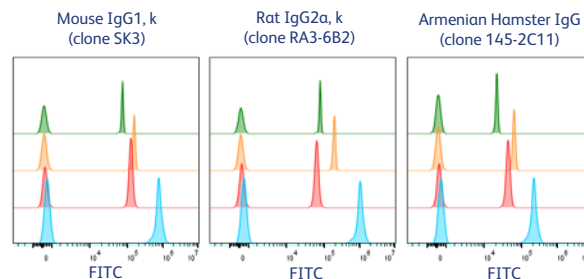
Human PBMC were stained with twenty CD4 (SK3) fluorochromes ranging across five lasers, and over the emission spectrum. The same fluorochromes were used to stain, per manufacturers protocol, different compensation particles. All beads were stained with the same concentration of antibody (0.125 µg for all but RY703 and RY775 which were stained with 0.25 µg). Cells were stained with optimal concentration for CD4 (0.06 µg). Samples were run on a BD FACSDiscover™ A8 Cell Analyzer and analyzed with FlowJo™ Software. Results are plotted in overlaid histograms demonstrating relative brightness of all samples.

— PBMC
— UltraComp eBeads™ Spectral
— UltraComp eBeads™ Plus
— BioLegend Compensation Beads
— BD™ SpectraComp™ XT

BD™ SpectraComp™ Unmixing and Compensation Particles (3 species) are brighter than competitor beads.

Compensation beads were stained, per manufacturers' protocol, with FITC-conjugated antibodies from mouse, rat and hamster species. All beads were stained with the same concentration of antibody (0.125 µg). Samples were run on a Cytex™ Aurora and analyzed with FlowJo™ Software. Results are plotted in overlaid histograms demonstrating relative brightness of all samples.

— UltraComp eBeads™ Spectral
— UltraComp eBeads™ Plus
— BioLegend Compensation Beads
— BD™ SpectraComp™



BD™ SpectraComp™ Beads

Brighter controls. Better compensation. Greater confidence.



Broad Specificity

- Reactive against up to five species



Performance

- Brightest compensation controls commercially available
- Low autofluorescence
- Works across laser lines, including UV, violet, blue, yellow-green and red lasers



Ease of Use

- Positive and negative control beads 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

Product	Reactivity	Format	Light Chain Recognized	Flow Applications
BD™ SpectraComp™ XT Unmixing and Compensation Particles Cat. No. 573605	Human, Rabbit, Mouse, Rat, Hamster (Armenian, Syrian)	Single vial with both positive and negative beads	Kappa and lambda	Conventional and spectral flow cytometry
BD™ SpectraComp™ Unmixing and Compensation Particles Cat. No. 569991	Mouse, Rat, Hamster (Armenian, Syrian)	Single vial with both positive and negative beads	Kappa and lambda	Conventional and spectral flow cytometry

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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