

# SpectraComp®

Synthetic Compensation Controls

**OLS**  
OMNI Life Science

## Optimize your spectral flow analysis



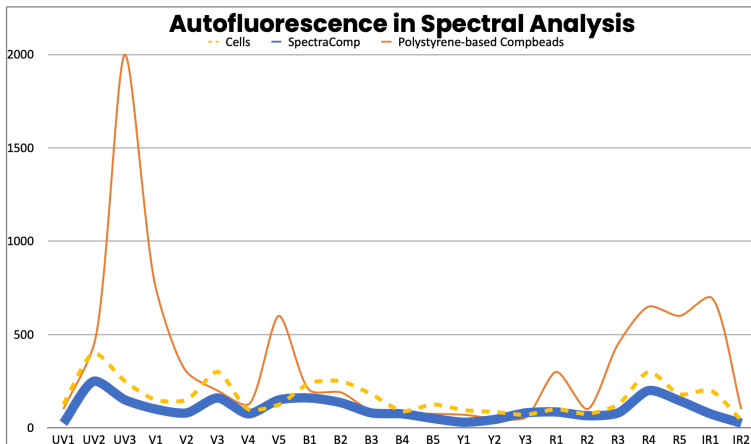
**Spectral compensation controls with cell-like autofluorescence**



**Accurate spectral unmixing for spectral analysis**



**Easier experimental setup with less compensation analysis**



Autofluorescence across a full emission spectrum was evaluated for cells, SpectraComp® and competitor polystyrene-based compensation beads.

Fluorescence, compensation, and cellular controls are the backbone of generating reliable flow cytometry data. Polystyrene solid-core beads used for instrument and assay setup have high levels of non-specific binding, do not mimic cell autofluorescence, and have fundamentally different properties from cells, including FSC vs SSC. This leads to controls that do not match the spectral profile of single stained cells, under- or over-compensation calculations, and ultimately compromised accuracy of data.

SpectraComp® compensation controls from Slingshot Biosciences are synthetic cells that mimic the optical and autofluorescence profile of lymphocytes and capture multiple species of antibodies. Precise, reliable, and repeatable results—with SpectraComp®, these goals are now achievable in your spectral flow cytometry experiments.

### The Slingshot Advantage

- + Level-up with truly cell-like performance.
- + Our synthetic cells match the optical, fluorescence, and biochemical features of cells
- + Customizable to any cell population
- + Precisely control the level of key biomarkers

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Contact OLS OMNI Life Science - Your Partner in Cell Research

OLS OMNI Life Science GmbH & Co. KG  
Karl-Ferdinand-Braun-Straße 2  
28359 Bremen, Germany  
Phone: +49 421 27 61 69 0  
info@ols-bio.de • www.ols-bio.com

OLS OMNI Life Science GmbH  
Laufenstraße 90  
4053 Basel, Switzerland  
Phone: +49 421 27 61 69 0  
info@ols-bio.ch • www.ols-bio.com

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