BD FACSuite™ FC Research Beads
Targeted bead kits for fluorescence characterization

Features

- Simplifies setup and maintenance of fluorescence compensation for the most common BD fluorochromes
- Increases compensation accuracy of BD FACSVerse™ flow cytometers
- Barcoding allows automatic entry of bead-lot-specific spillover factors

BD FACSuite FC research beads are designed to properly create and maintain compensation for specific BD fluorochromes on BD FACSVerse flow cytometers. BD FACSuite™ software uses the beads to determine lyse/wash (LW) and lyse/no-wash (LNW) settings commonly used for cellular assays. Together, BD FACSuite FC research beads, BD FACSuite™ CS&T research beads, and BD FACSuite software enable consistent and stable compensation for common fluorochromes over extended periods, minimizing the need to run daily compensation controls for every fluorochrome.

Simplifies compensation control preparation

The BD FACSuite FC research beads kits include both positive and negative 3-μm polystyrene capture beads. In a simple step-by-step process, the beads are conjugated to high-quality BD reagents (included in the kit) to quickly prepare compensation controls. BD FACSuite software then runs the controls and calculates accurate compensation for the supported fluorochromes. Using these controls, BD FACSuite software can easily and accurately update existing fluorescence spillover values or create user-specific values. In addition, a barcode card allows users to quickly enter specific bead information, including bead lot number, expiration date, and spillover factors.

Once the spillover matrix is created, BD FACSuite software automatically maintains it without running daily controls. By default, BD FACSuite software is set to update the fluorescence compensation values after 30 days. However, this time range is adjustable up to six months, adapting to each laboratory’s needs.

Enables application flexibility

BD FACSuite FC research beads are conveniently packaged in three kits, allowing users to match the fluorochromes needed for their particular applications and BD FACSVerse cytometer. The kits include beads, dye-conjugated antibodies, diluent, and a barcoded bead lot file card. When used with BD FACSuite software algorithms, each kit provides enough reagents for up to five monthly compensation updates.

BD FACSuite software and BD FACSuite FC research beads provide a powerful yet simple way to create and maintain compensation over extended periods of time without running daily fluorescent controls. Users benefit from more precise and reproducible data, with fewer compensation control runs and compensation updates needed.

Visit bdbiosciences.com for more information.

Table 1. Fluorochromes supported in the three BD FACSuite FC research bead kits.

<table>
<thead>
<tr>
<th>Description</th>
<th>Fluorochromes Supported</th>
<th>Number of Tests</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-color Kit</td>
<td>FITC, PE, PerCP, APC</td>
<td>5</td>
<td>650625</td>
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<tr>
<td>4-color Plus Kit</td>
<td>PerCP-Cy5.5, PE-Cy7, APC-Cy7, APC-H7</td>
<td>5</td>
<td>650626</td>
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<tr>
<td>Violet Kit</td>
<td>BD Horizon V450</td>
<td>5</td>
<td>650627</td>
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