**BD Biosciences Fluorochrome Reference Chart**

Visit [bdbiosciences.com/colors](http://bdbiosciences.com/colors) for detailed information about our newest fluorochromes and instrumentation.

To select your optimal combination of fluorochromes, visit [bdbiosciences.com/spectra](http://bdbiosciences.com/spectra) to use an interactive fluorescence spectrum tool.

### Fluorochrome Selection

When selecting fluorochromes for multicolor flow cytometry, consider the following:

1. **Fluorochrome Brightness**
   - **High**
   - **Moderate**
   - **Low**

2. **Fluorochrome Stability**
   - **Stable**
   - **Unstable**

3. **Fluorochrome Compatibility**
   - **Compatible**
   - **Incompatible**

4. **Fluorochrome Specificity**
   - **Specific**
   - **Non-specific**

5. **Fluorochrome Sensitivity**
   - **Sensitive**
   - **Insensitive**

### Instrument Compatibility

- **BD Accuri™ CS**
- **BD FACSCalibur™**
- **BD FACSVersa™**
- **BD FACSCantio™**
- **BD FACSCalibur™**
- **BD FACSAria**
- **BD FACSDeckm™**
- **BD FACSAria™**
- **BD FACSAria™ II**
- **BD FACSCanto™ II**

### Spectra

- **Fluorescence Channel**
- **Fluorochromes provided by BD Biosciences**

### Brightness of various fluorochrome conjugates

<table>
<thead>
<tr>
<th>Fluorochrome</th>
<th>Reagent</th>
<th>Filter</th>
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<tbody>
<tr>
<td>Brilliant Viola™ 421</td>
<td>450/50</td>
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<td>PE</td>
<td>575/26</td>
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<td>Brilliant Viola 605</td>
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<td>BD Horizon PE-CF594</td>
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<td>PE-Cy7</td>
<td>670/14</td>
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<td>APC</td>
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<td>PE-Cy7</td>
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<td>APC-Cy5.5</td>
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<td>Alexa Fluor®-488</td>
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<td>BD APC-H7</td>
<td>780/60</td>
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</tbody>
</table>

### Validation

1. **Choose an instrument**
   - **BD Accuri™ CS**
   - **BD FACSCalibur™**
   - **BD FACSVersa™**
   - **BD FACSCantio™**
   - **BD FACSCalibur™**
   - **BD FACSAria**
   - **BD FACSDeckm™**
   - **BD FACSAria™**
   - **BD FACSAria™ II**
   - **BD FACSCanto™ II**

2. **Fluorochrome Selection**
   - **Stable**
   - **Unstable**

3. **Fluorochrome Compatibility**
   - **Compatible**
   - **Incompatible**

4. **Fluorochrome Specificity**
   - **Specific**
   - **Non-specific**

5. **Fluorochrome Sensitivity**
   - **Sensitive**
   - **Insensitive**

6. **Validation**
   - **Fluorochrome brightness**
   - **Fluorochrome stability**
   - **Fluorescence overlap**
   - **Fluorochrome sensitivity**

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Brilliant Violet™ is a trademark of Sirigen Group Ltd.

APC-Cy7: US patent 5,714,386

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