**Cell Cycle - Live (Fisher)**

- **Viability/DNA Dyes/Cell Fixable Viability Dyes**
- **DNA Dyes/Cell Cycle**
- **Fluorescent Proteins**
- **Mitochondrial/ROS**

**UWCC Instrument Map**

5 Laser BD LSRII

<table>
<thead>
<tr>
<th>Detector</th>
<th>Filter</th>
<th>Dichroic</th>
<th>Detector</th>
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<tr>
<td>488</td>
<td>488A</td>
<td>561E</td>
<td>610</td>
<td>610D</td>
<td>710E</td>
</tr>
<tr>
<td>530</td>
<td>530E</td>
<td>680</td>
<td>780</td>
<td>780A</td>
<td>900</td>
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<tr>
<td>640</td>
<td>640A</td>
<td>750C</td>
<td>800</td>
<td>800B</td>
<td>950</td>
</tr>
</tbody>
</table>

**Fluorescent Proteins**

- **GFP**
  - eTomato
  - mTurquoise
  - mRaspberry
- **Emerald FP**
  - mRFP
  - mRFP-650
- **YFP**
  - mOrange
  - mKate
- **ZsGreen**
  - mFlaberry
- **DsRed**

**Mitochondrial/ROS**

- **MitoTracker Green**
  - MitoTracker Red (585/42, 550LP)
- **DOCF (for ROS)**
- **MitoTracker Deep Red**
- **CellTrace Violet**

**Profloration**

- **CF3E**
- **YoPro**
  - **YFP**
  - **Alexa555**
  - **Alexa568**
- **Alexa647**

**Cell Cycle - Live (Fisher)**

- **YoPro-3 (563/50)**
- **DAPI**
- **PI**
- **PI**
- **PI**

**Viability/DNA Dyes/Cycle**

- **AO/EB**
- **DAPI**
- **Hoechst**
- **PI**

**Viability Only**

- **SYTOX Green**
- **SYTOX Orange**
- **SYTOX Blue**

**Fluorescent Viability Dyes (Bacterial)**

- **Zombie Green**
- **Zombie Blue**
- **Zombie Red**
- **Zombie Violet**

**Fluorescent Viability Dyes (Fish)**

- **Live/Dead Green**
- **Live/Dead Red**
- **Live/Dead Blue**

**PI will show up in all channels if it is listed in (i.e. you can't use PE with PI), but is brightest in the 561D channel.**

**TAAZ will show up in all channels it is listed in (i.e. you can't use PerCP with 7AAD), but is brightest in the 561C channel.**

**DAPI will show up in all channels it is listed in (i.e. you can't use BV421 with DAPI), but is brightest in the 555B channel.**

**Hoechst will show up in all channels it is listed in (i.e. you can't use BV421 with Hoechst), but is brightest in the 555B channel.**

**BV, BUV, BB dyes require the use of the Brilliant Dye Staining Buffer**

**SuperBright dyes require the use of the SuperBright Staining Buffer**

**FLUOROCROME LISTS ARE NOT ALL INCLUSIVE**