1.0 Stock Fluorecein Diacetate (FDA) Solution (24 μM)

Calculation:
FDA FW = 416.4
Stock Concentration = 24 μM
Volume required = 200 mL
FW X Concentration X Volume = \((416.4) \times (24 \times 10^{-6}) \times (200 \times 10^{-3}) = 0.00199 \text{ g FDA}\)

<table>
<thead>
<tr>
<th>Components</th>
<th>Quantity to be Added</th>
<th>Quantity Added</th>
<th>Supplier &amp; Lot Number</th>
<th>Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDA</td>
<td>0.00199 g</td>
<td>g</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>200 mL</td>
<td>mL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Store Stock FDA solution at ≤ -20°C for up to six months.
- Cover it with aluminium foil, as the dye is light sensitive.
- Label with assigned lot number, date of expiration and initials of preparer.

Assigned Lot Number: ______________________

Prepared by: ______________________ Date: _________________

Reviewed by: ______________________ Date: _________________

2.0 Stock Propidium Iodide (PI) Solution (750 μM)

Calculation:
PI FW = 668.4
Stock Concentration = 750 μM
Volume Required = 25 mL
FW X Concentration X Volume = \((668.4) \times (750 \times 10^{-6}) \times (25 \times 10^{-3}) = 0.0125 \text{ g PI}\)

<table>
<thead>
<tr>
<th>Components</th>
<th>Quantity to be Added</th>
<th>Quantity Added</th>
<th>Supplier &amp; Lot Number</th>
<th>Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI</td>
<td>0.0125 g</td>
<td>g</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DPBS</td>
<td>25 mL</td>
<td>mL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Store Stock PI solution at 2° to 8°C for up to six months.
- Cover it with aluminium foil, as the dye is light sensitive.
- Label with assigned lot number, date of expiration and initials of preparer.

Assigned Lot Number: ______________________

Prepared by: ______________________ Date: _________________

Reviewed by: ______________________ Date: _________________