AfCS Solution Protocol

Reagent name: Phosphatase inhibitor mixture
Reagent name abbreviation: None
Protocol ID: PS00000305
Version: 01
Volume: 10 ml*

Components:

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Source</th>
<th>Catalog or Protocol No.</th>
<th>F.W. or Stock Conc.</th>
<th>Quantity</th>
<th>Final Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell culture medium*</td>
<td>Variable</td>
<td>Variable</td>
<td>NA</td>
<td>10 ml</td>
<td>NA</td>
</tr>
<tr>
<td>Okadaic acid, 25 µM</td>
<td>None</td>
<td>PS00000303</td>
<td>25 µM</td>
<td>20 µl</td>
<td>50 nM</td>
</tr>
<tr>
<td>Calyculin A, 20 µM</td>
<td>None</td>
<td>PS00000301</td>
<td>20 µM</td>
<td>10 µl</td>
<td>20 nM</td>
</tr>
<tr>
<td>Sodium orthovanadate, 100 mM</td>
<td>None</td>
<td>PS00000306</td>
<td>100 mM</td>
<td>100 µl</td>
<td>1 mM</td>
</tr>
</tbody>
</table>

*This recipe is for treatment of cells. The type of medium and solution volume depends on the cell type and number.

Preparation:
1. Pipette 10 ml of cell culture medium into a disposable plastic tube.
2. Remove 130 µl of medium to accommodate addition of inhibitors.
3. Pipette remaining components into medium, rinsing pipette tips into solution.
4. Cap tube and mix solution by inversion.

Storage:
Temperature: NA
Location: ________________
Aliquot size: NA
Special instructions: Do not store. Make fresh as needed.

Author: Biren Zhao
Date: 04/10/02
Approved: Heping Han
Comments: Phosphatase inhibitors are toxic. Wear gloves and dispose of contaminated items appropriately.