Insulin-Transferrin-Selenium (100X)  
(ITS)  
Catalog #0803

Product Description
ITS is a mixture of insulin, transferrin, and selenium. It is a general cell supplement designed for use in classical media such as DMEM, RPMI-1640 and nutrient media such as Ham’s F-12, DMEM/F-12. ITS enhances cell proliferation and decreases the serum requirement of many cell types [1, 2, 3]. When ITS is used with a low percent serum, proliferation is reported to be similar to medium supplemented with 10 percent serum.

ITS is prepared in Hank’s Balanced Salt Solution (HBSS) without phenol red.

Formula
<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insulin</td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td>Apo-Transferrin</td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td>Sodium Selenite</td>
<td>3.4 µM</td>
</tr>
</tbody>
</table>

Product Use
ITS is for research use only. It is not approved for human or animal use, or for application in in vitro diagnostic procedures.

Storage
Store at -20°C.

Shipping
Dry ice.

References

Caution: If handled improperly, some components of this product may present a health hazard. Take appropriate precautions when handling this product, including the wearing of protective clothing and eyewear. Dispose of properly.