1485. DESULFONATRONUM ALKALITOLERANS MEDIUM

Solution A:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>NaCl</td>
<td>6.0 g</td>
</tr>
<tr>
<td>K₂HPO₄</td>
<td>1.0 g</td>
</tr>
<tr>
<td>NaHCO₃</td>
<td>32.0 g</td>
</tr>
<tr>
<td>Na₂CO₃</td>
<td>10.6 g</td>
</tr>
<tr>
<td>Na₂SO₄</td>
<td>2.8 g</td>
</tr>
<tr>
<td>Na-acetate</td>
<td>0.2 g</td>
</tr>
<tr>
<td>Distilled water</td>
<td>950.0 ml</td>
</tr>
</tbody>
</table>

Solution B:

Trace elements solution (see medium 1369) 1.0 ml

Solution C:

Selenite-tungstate solution (see medium 385) 1.0 ml

Solution D:

NH₄Cl 0.2 g

Distilled water 10.0 ml

Solution G:

MgCl₂ x 6 H₂O 0.2 g

Distilled water 10.0 ml

Solution F:

Yeast extract 20.0 mg

Distilled water 10.0 ml

Solution G:

Na-formate 3.4 g

Distilled water 10.0 ml

Solution H:

Na₂S x 9 H₂O 0.30 g

Distilled water 10.00 ml

Dissolve ingredients of solution A except carbonates, sparge with 100% N₂ gas for 30 - 45 min to make it anoxic, then add bicarbonate and carbonate, adjust pH to 9.0, dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave.

Continued on next page
Prior to inoculation complete the medium by adding appropriate amounts of sterile solutions B to H prepared under 100% N₂ gas atmosphere. Adjust pH of the complete medium to 8.7 – 9.0, if necessary.