343. THERMOTOGA NEAPOLITANA MEDIUM

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starch, soluble</td>
<td>5.0 g</td>
</tr>
<tr>
<td>KH₂PO₄</td>
<td>0.5 g</td>
</tr>
<tr>
<td>Trace element solution (see medium 141)</td>
<td>15.0 ml</td>
</tr>
<tr>
<td>NiCl₂ x 6 H₂O solution (0.1% w/v)</td>
<td>2.0 ml</td>
</tr>
<tr>
<td>Artificial sea water (see below)</td>
<td>250.0 ml</td>
</tr>
<tr>
<td>Yeast extract (OXOID)</td>
<td>2.0 g</td>
</tr>
<tr>
<td>Na-resazurin solution (0.1% w/v)</td>
<td>0.5 ml</td>
</tr>
<tr>
<td>L-Cysteine-HCl x H₂O</td>
<td>0.5 g</td>
</tr>
<tr>
<td>Na₂S x 9 H₂O</td>
<td>0.5 g</td>
</tr>
<tr>
<td>Distilled water</td>
<td>750.0 ml</td>
</tr>
</tbody>
</table>

Dissolve ingredients (except sulfide and cysteine) and adjust pH to 6.5. Boil medium for 1 min, then cool to room temperature under 100% N₂ gas atmosphere. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials to 30% of volume and autoclave. Add sulfide and cysteine from sterile anoxic stock solutions prepared under 100% N₂ gas. Adjust pH of complete medium to 6.5, if necessary.

Artificial sea water:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>NaCl</td>
<td>27.70 g</td>
</tr>
<tr>
<td>MgSO₄ x 7 H₂O</td>
<td>7.00 g</td>
</tr>
<tr>
<td>MgCl₂ x 6 H₂O</td>
<td>5.50 g</td>
</tr>
<tr>
<td>KCl</td>
<td>0.65 g</td>
</tr>
<tr>
<td>NaBr</td>
<td>0.10 g</td>
</tr>
<tr>
<td>H₃BO₃</td>
<td>30.00 mg</td>
</tr>
<tr>
<td>SrCl₂ x 6 H₂O</td>
<td>15.00 mg</td>
</tr>
<tr>
<td>Citric acid</td>
<td>10.00 mg</td>
</tr>
<tr>
<td>KI</td>
<td>0.05 mg</td>
</tr>
<tr>
<td>CaCl₂ x 2 H₂O</td>
<td>2.25 g</td>
</tr>
<tr>
<td>Distilled water</td>
<td>1000.00 ml</td>
</tr>
</tbody>
</table>