968. ANAEROBACILLUS ARSENICISELENATIS MEDIUM

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>((\text{NH}_4)\text{SO}_4)</td>
<td>0.10 g</td>
</tr>
<tr>
<td>(\text{MgSO}_4)</td>
<td>25.00 mg</td>
</tr>
<tr>
<td>(\text{NaCl})</td>
<td>90.00 g</td>
</tr>
<tr>
<td>(\text{K}_2\text{HPO}_4)</td>
<td>0.15 g</td>
</tr>
<tr>
<td>(\text{KH}_2\text{PO}_4)</td>
<td>0.08 g</td>
</tr>
<tr>
<td>Trace element solution SL-10 (see medium 320)</td>
<td>1.00 ml</td>
</tr>
<tr>
<td>Selenite-tungstate solution (see medium 385)</td>
<td>1.00 ml</td>
</tr>
<tr>
<td>(\text{NaNO}_3)</td>
<td>1.25 g</td>
</tr>
<tr>
<td>(\text{Na-DL-lactate})</td>
<td>1.70 g</td>
</tr>
<tr>
<td>Yeast extract</td>
<td>0.20 g</td>
</tr>
<tr>
<td>(\text{Na-resazurin solution (0.1% w/v)})</td>
<td>0.50 ml</td>
</tr>
<tr>
<td>(\text{Na}_2\text{CO}_3)</td>
<td>10.60 g</td>
</tr>
<tr>
<td>(\text{NaHCO}_3)</td>
<td>4.20 g</td>
</tr>
<tr>
<td>L-Cysteine-HCl x H(_2)O</td>
<td>0.25 g</td>
</tr>
<tr>
<td>(\text{Na}_2\text{S} \times 9 \text{H}_2\text{O})</td>
<td>0.25 g</td>
</tr>
<tr>
<td>Distilled water</td>
<td>1000.00 ml</td>
</tr>
</tbody>
</table>

Dissolve ingredients (except carbonate, hydrogencarbonate and reducing agents), then sparge medium with 100% N\(_2\) gas for 30 – 45 min to make it anoxic. Add solid carbonate and bicarbonate, adjust pH to 9.8, dispense medium under 100% N\(_2\) gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before inoculation, add cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N\(_2\) gas. Adjust pH of complete medium to 9.8, if necessary.