78b. MEDIUM FOR TREPONEMA PARVUM

To medium 78 add per liter:
- Fetal or newborn calf serum 10.0 ml
- Amino acid solution 50.0 ml
- Vitamin solution (see Medium 461) 5.0 ml
- Hemin solution 5.0 ml
- Peptone mixture 5.0 ml
- Ascorbic acid solution 5.0 ml
- KCl (100 g/l) 5.0 ml
- N-acetylglucosamin- and pyruvate solution 5.0 ml
- Glutathione solution 10.0 ml
- Sugar solution 10.0 ml

Prepare medium anaerobically under N₂:CO₂ (80:20). After inoculation of the tubes, pressurize them with hydrogen gas to 150 kP (1.5 bar).

All following solutions were filter sterilized

Amino acid solution per 50 ml:
- L-Histidin 0.6 g
- L-Serin 0.5 g
- L-Glutamine 0.7 g

Hemin solution
Dissolve 5 mg hemin in 1 ml 1 M NaOH, fill up to 50 ml with dist. water.

Peptone mixture per 50 ml
- Tryptone peptone (Difco 0123-17) 1.6 g
- Casamino acids (Difco 0230-17) 1.6 g
- Yeast extract 1.6 g

Ascorbic acid solution
Dissolve 1 g ascorbic acid in 40 ml dist. water, adjust pH to 7.0. fill up to 50 ml.

N-Acetylg glucosamin and pyruvate solution per 50 ml
- N-Acetylg glucosamin 5.0 g
- Na-pyruvate 5.0 g

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Glutathione solution per 50 ml
Dissolve 7 g glutathione in 40 ml dist. Water, adjust pH to 7.0 and fill up to 50 ml.

Sugar solution for DSM 16260, per 50 ml
<table>
<thead>
<tr>
<th>Component</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ribose</td>
<td>10.0 g</td>
</tr>
<tr>
<td>Glucuronic acid</td>
<td>10.0 g</td>
</tr>
</tbody>
</table>

**DSM 16369**
Prepare medium with maltose instead of ribose and glucuronic acid. Prepare without KCl, glutathione and N-acetylglucosamin/pyruvate

Sugar solution for DSM 16369, per 50 ml
<table>
<thead>
<tr>
<th>Component</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maltose</td>
<td>10.0 g</td>
</tr>
</tbody>
</table>