Meat Extract w/ Peptone (Pepted Meat Broth) is recommended for cultivation and maintenance of *Alcaligenes* species.

**Composition**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Gms / Litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peptic digest of animal tissue</td>
<td>10.000</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>15.000</td>
</tr>
<tr>
<td>Meat extract</td>
<td>3.000</td>
</tr>
</tbody>
</table>

**Formula adjusted, standardized to suit performance parameters**

**Directions**

Suspend 28 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Distribute into tubes or flasks. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

**Principle And Interpretation**

*Alcaligenes* are non-fermentative gram-negative bacilli. They exist in soil and water and have been isolated from many types of clinical specimens like urine, blood, spinal fluid, pleural fluid, wounds, abscesses and faeces (1). These are non-saccharolytic microbes having simple nitrogenous growth requirements (2). Meat Extract with Peptone (Pepted Meat Broth) is recommended for the cultivation and maintenance of *Alcaligenes* species (3).

Meat extract along with peptic digest of animal tissue provides necessary nitrogenous compounds and other nutrients for growth. Sodium chloride maintains osmotic equilibrium.

**Quality Control**

**Appearance**

Cream to yellow homogeneous free flowing powder

**Colour and Clarity of prepared medium**

Yellow coloured clear solution without any precipitate

**Cultural Response**

M1207: Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours.

<table>
<thead>
<tr>
<th>Organism</th>
<th>Inoculum (CFU)</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Alcaligenes denitrificans</em> ATCC 53957</td>
<td>50-100</td>
<td>luxuriant</td>
</tr>
<tr>
<td><em>Alcaligenes faecalis</em> ATCC 8750</td>
<td>50-100</td>
<td>luxuriant</td>
</tr>
</tbody>
</table>

**Storage and Shelf Life**

Store below 30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label.

**Reference**


Revision : 1 / 2011
Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.