**HiTouch™ Aerobic Count Flexi Plate**

For enumeration (count) of aerobic microorganisms.

**Composition**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Gms / Litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tryptose</td>
<td>15.000</td>
</tr>
<tr>
<td>Papaic digest of soybean meal</td>
<td>5.000</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>5.000</td>
</tr>
<tr>
<td>Indicator dye</td>
<td>0.100</td>
</tr>
<tr>
<td>Agar</td>
<td>15.000</td>
</tr>
</tbody>
</table>

**Final pH (at 25°C)**

7.3±0.2

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

**Directions**

Open the pouch in the protected area. Remove the wrapping and open the lid and carefully lift up the enclosed prepared medium plate so as to avoid touching the agar surface by hand. Touch the surface of agar plate onto the surface to be tested. Gently press the plate manually for up to 10 seconds. Apply constant and uniform pressure to the whole surface (ensuring that an even pressure of 25 gm/cm² is distributed over the whole plate for 10 seconds). Replace exposed medium plate back in the base plate. Close the lid. Press the sides of the lid to make sure that it is fixed in the grooves. Disinfect the surface where the sample was taken in order to remove any possible traces of agar. Incubate the plates at specified temperature. After incubation as recommended count the number of colonies which have appeared on the surface of medium. Alternative Methods of Inoculation: To use as Culture Plate (ii), Sample Dilution Plate (iii) or Swabbing Plate (iv) To use as Gravitation Settling Plate (v)

**Principle And Interpretation**

Hitouch Flexi Plates are specially developed for the microbial testing in food, pharmaceutical, cosmetic, dairy, hospitals, water works, environmental testing etc. These plates are handy and ready to use sterile media supplied in flexible disposable plates, 55 mm in diameter. It is grid scored on the base and is irradiated to ensure perfect sterility. Medium is filled aseptically and each plate is packed in pre-sterilized plastic bag. Hitouch Flexi Plate is then packed in plastic pouch wrapping. The unique flexible plate configuration ensures close contact even with uneven surfaces. These plates are specially developed for microbial testing, where count can be obtained. The Flexi plate medium formula is suitable for enumeration of aerobic microorganisms and the grids enable direct reading on the plates of the number of colonies per cm².

**Quality Control**

**Appearance**

Sterile plastic plate containing light yellow coloured firm gel

**Quantity of Medium**

9ml of gel in plastic plate

**Reaction**

7.10–7.50

**Sterility test**

Passes release criteria
**Cultural response**

Cultural characteristics was observed after incubation at 35-37°C for 18-24 hours.

<table>
<thead>
<tr>
<th>Organism</th>
<th>Growth</th>
<th>Colour of Colony</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Escherichia coli ATCC 25922</em></td>
<td>Luxuriant</td>
<td>Red to maroon</td>
</tr>
<tr>
<td><em>Bacillus subtilis ATCC 6633</em></td>
<td>Luxuriant</td>
<td>Red to maroon</td>
</tr>
<tr>
<td><em>Enterococcus faecalis ATCC 29212</em></td>
<td>Luxuriant</td>
<td>Red to maroon</td>
</tr>
<tr>
<td><em>Staphylococcus aureus ATCC 25923</em></td>
<td>Luxuriant</td>
<td>Red to maroon</td>
</tr>
<tr>
<td><em>Streptococcus pyogenes ATCC 19615</em></td>
<td>Luxuriant</td>
<td>Red to maroon</td>
</tr>
</tbody>
</table>

**Storage and Shelf Life**

Store between 2-8°C. Use before expiry date on the label.

**Reference**


Revision : 1 / 2011