HiTouch™ SCDA w/ # Lactamase  Flexi  Plate

A general purpose medium for cultivation of wide variety of organisms and for inactivation of #-lactam antibiotics.

**Principle And Interpretation**

Soyabean Casein Digest Agar is a widely used medium, which supports the growth of wide variety of organisms even that of fastidious ones such as  *Neisseria, Listeria*, and *Brucella* etc. The medium with addition of blood provides perfectly defined haemolysis zones, while preventing the lysis of erythrocytes due to its sodium chloride content. It has been frequently used in the health industry to produce antigens, toxins etc. Its simple and inhibitor-free composition makes it suitable for the detection of antimicrobial agents in the food and other products. Tryptone Soya Agar is recommended by various pharmacopoeias as sterility testing medium (1, 2).

Tryptone Soya Agar conforms as per USP (1) and is used in microbial limit test and antimicrobial preservative - effective test. Gunn et al (3) used this medium for the growth of fastidious organisms and study of haemolytic reaction after addition of 5% v/v blood. The combination of Pancreatic digest of casein and papaic digest of soyabean meal makes this media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance.

Soyabean Casein Digest Agar does not contains X and V growth factors. It can be conveniently used in determining the requirements of these growth factors by isolates of  *Haemophilus* by the addition of X-factor (DD020), V-factor (DD021), and X+V factor discs (DD022) factor to inoculated TSA plates (4).

**Quality Control**

**Appearance**
Sterile plastic plate containing light yellow coloured firm gel

**Quantity of Medium**
9ml of gel in plastic plate

**Reaction**
Cultural response
Cultural characteristics were observed after incubation at 35-37°C for 18-24 hours.

**Sterility test**
Passes release criteria

**Cultural Response**

<table>
<thead>
<tr>
<th>Organism</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Escherichia coli ATCC 25922</em></td>
<td>Luxuriant</td>
</tr>
<tr>
<td><em>Proteus mirabilis ATCC 25933</em></td>
<td>Luxuriant</td>
</tr>
<tr>
<td><em>Enterococcus faecalis ATCC 29212</em></td>
<td>Luxuriant</td>
</tr>
<tr>
<td><em>Staphylococcus aureus ATCC 25923</em></td>
<td>Luxuriant</td>
</tr>
<tr>
<td><em>Staphylococcus aureus ATCC 29213</em></td>
<td>Luxuriant</td>
</tr>
</tbody>
</table>

**Storage and Shelf Life**
Store between 2-8°C. Use before expiry date on the label.
Reference
2. Indian Pharmacopoeia, 2007, Govt. of India, Ministry of Health and Family Welfare, New Delhi, India.