

Soyabean Casein Digest Agar Slant

Intended Use

Soyabean Casein Digest Agar Slant is used for the isolation and cultivation of a wide variety of fastidious and non-fastidious microorganisms.

Summary

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. It's 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. Gunn *et al.*, used this medium for the growth of fastidious organisms and study of haemolytic reaction after addition of 5% v/v blood.

Principle

The combination of tryptone and soya peptone makes this media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance.

Formula*

Ingredients	g/L
Pancreatic Digest of Casein	15.0
Papaic Digest of Soyabean	5.0
Sodium Chloride	5.0
Agar	15.0
Final pH (at 25°C)	7.3 ± 0.2

*Adjusted to suit performance parameters.

Directions

1. Bring the Soyabean Casein Digest Agar Slant to the room temperature 22°C-30°C.
2. Use Soyabean Casein Digest Agar Slant as per required application.

Quality Control

Appearance: Light yellow coloured, Smooth slant.

Cultural Response: Cultural characteristics observed after an incubation at 30 °C – 35 °C for ≤ 3 days for bacteria and ≤ 5 days for Fungi.

Organism (ATCC)	Growth	Incubation Temperature
<i>Escherichia coli</i> (8739)	Good	30°C-35°C
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (6538)	Good	30°C-35°C
<i>Pseudomonas aeruginosa</i> (9027)	Good	30°C-35°C
<i>Bacillus spizizenii</i> (6633)	Good	30°C-35°C
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Abony</i> (NCTC 6017)	Good	30°C-35°C
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Typhimurium</i> (14028)	Good	30°C-35°C
<i>Candida albicans</i> 3147 (10231)	Good	30°C-35°C
<i>Aspergillus brasiliensis</i> WLRI 034(120) (16404)	Good	30°C-35°C

Storage and Stability

1. Store the ready to use Soyabean Casein Digest Agar Slant at 15°C-25°C in a cool, dry place away from light.
2. Stability of the kit is as per expiry date mentioned on the label.

Warranty

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Reference

1. The United States Pharmacopoeia, 2018, The United States Pharmacopoeial Convention Inc., Rockville, MD.
2. Indian Pharmacopoeia, 2018, Govt. of India, Ministry of Health and Family Welfare, New Delhi, India.
3. Gunn B. A., Ohashi D K., Gaydos C. A., Holt E. S., 1977, J. Clin. Microbiol., 5(6): 650.
4. Forbes B.A., Weissfeld D.F., 1998, Bailey & Scotts Diagnostic Microbiology, 10th Ed., Mosby Inc. St. Louis, Mo.
5. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
203190620012	Ready Prepared Slant	12 Slants

Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.
