Soyabean Casein Digest Agar (Harmonized) Slant

Intended Use
Soyabean Casein Digest Agar (Harmonized) Slant is a general-purpose growth medium used for the cultivation of a wide variety of microorganisms.

Summary
Soyabean Casein Digest Agar (SCDA) is used for total aerobic microbial count and antimicrobial preservative effective test. It is also used for testing bacterial contaminants in cosmetics and for a multitude of purpose including maintenance of stock cultures, plate counts and as a base for media containing blood. Gunn *et al.,* used this medium for the study of haemolytic reactions after addition of 5% v/v blood. It is also used in validation of sterility checking procedure in accordance with the microbial limit testing harmonized methodology of USP/EP/BP/JP/IP.

Principle
The combination of pancreatic digest of casein and papaic digest of soyabean makes the medium highly nutritious by supplying organic nitrogen, particularly amino acids and long chain peptides. Sodium chloride maintains the osmotic balance. Soyabean casein digest agar may be supplemented with blood to provide a more nutritious medium for fastidious organisms, or with antimicrobials to provide a selective medium for specific organisms out of a mixed flora sample. Since Soyabean Casein Digest Agar contains no added carbohydrate, it may be used with added blood to determine haemolysis. When Soyabean Casein Digest Agar is supplemented with 0.7 g lecithin and 5 g polysorbate (Tween 80) per liter of medium, it can be used as microbial content test agar for testing quaternary ammonium compounds (collection of samples from identical areas before and after treatment with disinfectant yields data useful in evaluating cleaning procedures in environmental sanitation).

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 (Harmonized) Slant to the room temperature 22°C-30°C.
2. Use Soyabean Casein Digest Agar (Harmonized) 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
Escherichia coli (8739)	Good	30°C-35°C
Staphylococcus aureus subsp. *aureus* (6538)	Good	30°C-35°C
Pseudomonas aeruginosa (9027)	Good	30°C-35°C
Bacillus spizizenii (6633)	Good	30°C-35°C
Salmonella enterica subsp. *enterica* serovar *Abony* (NCTC 6017)	Good	30°C-35°C
Salmonella enterica subsp. *enterica* serovar *Typhimurium* (14028)	Good	30°C-35°C
Candida albicans 3147 (10231)	Good	30°C-35°C
Aspergillus brasiliensis WLRI 034(120) (16404)	Good	30°C-35°C

Storage and Stability
1. Store the ready to use Soyabean Casein Digest Agar (Harmonized) 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, 2023, The United States Pharmacopeial Convention. Rockville, MD.
2. British Pharmacopoeia, 2023, The Stationery office British Pharmacopoeia.
3. European Pharmacopoeia, 2011, European Dept. for the quality of Medicines.
4. Japanese Pharmacopoeia, 2008.
5. Gunn. B. A. *et al,* 1977, J. Clin. Microbiol., 5(6): 650.
6. The Indian Pharmacopoeia 2010, Govt of India, Ministry of Health and Family Welfare, New Delhi.
7. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
203190570012	Ready Prepared Slant	12 Slants