



Technical Data

Soyabean Casein Digest Medium (Tryptone Soya Broth)

Intended Use

Soybean Casein Digest Medium is a general-purpose medium used for the isolation and cultivation of a wide variety of fastidious and non-fastidious microorganisms.

Summary

Soyabean Casein Digest Medium (SCDM) is widely used for the cultivation of microorganisms from environmental sources, supporting the growth of a wide variety of microorganisms including common aerobic, facultative and anaerobic bacteria and fungi. It is also used for preparing dilutions of organisms for colony counts and preparation of standard inocula for disc diffusion and dilution antimicrobial susceptibility testing as standardized by the National Committee for Clinical Laboratory Standards (NCCLS). This medium is used in sterility testing for the detection of contamination with low incidence fungi and aerobic bacteria and in the performance of microbial limit test. It is used in the coliphage detection procedure, a Methodology in Standard Methods for the Examination of Water and Wastewater. Soyabean Casein Digest Agar and Medium are included in the Bacteriological Analytical Manual for food and cosmetics testing, in the Compendia of Methods for the examination of milk, water and wastewater and foods.

Principle

The combination of Tryptone and soya peptone makes the medium nutritious by providing nitrogenous, carbonaceous substances, amino acids and long chain peptides for the growth of microorganisms. Dextrose serves as the carbohydrate source and dipotassium phosphate buffers the medium. Sodium chloride maintains the osmotic balance of the medium.

Formula*

Ingredients	Gms/L
Tryptone	17.0
Soya Peptone	3.0
Sodium Chloride	5.0
Dextrose	2.5
Dipotassium Phosphate	2.5
Final pH (at 25°C)	7.3 ± 0.2

*Adjusted to suit performance parameters.

Storage and Stability

Store dehydrated medium below 30°C in tightly closed container and the prepared medium at 2°C-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Type of Specimen

Pharmaceutical samples

Specimen Collection and Handling

Ensure that all samples are properly labeled. Follow appropriate techniques for handling samples as per established guidelines. Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure. The samples must be



stored and tested within the permissible time duration. After use, contaminated materials must be sterilized by autoclaving before discarding.

Quality Control

Dehydrated Appearance: Cream to yellow coloured, homogeneous, free flowing powder.

Prepared Appearance: Light yellow to amber coloured, clear solution without any precipitate.

Growth Promotion Test: Growth promotion is carried out in accordance with the harmonized method of USP/EP/JP/IP and growth is observed after an incubation at 30°C-35°C for ≤3 days for bacteria and ≤ 5 days for fungi.

Growth Promoting Properties: The test results observed are within the specified temperature and shortest period of time, inoculating ≤100cfu (at 30°C-35°C for ≤3 days for bacteria and ≤ 5 days for fungi).

Performance and Evaluation

Performance of the product is dependent on following parameters as per product label claim:

1. Directions
2. Storage
3. Expiry

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 Pharmacopoeia:

USP/EP / BP / JP / IP

Product Presentation: Cat No.	Product
LPSCLO11	Soyabean Casein Digest Medium (Tryptone Soya Broth)

Disclaimer

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

