



Soyabean Casein Digest Medium (Tryptone Soya Broth). 100 g / 500 g

Used for the isolation and cultivation of a wide variety of fastidious and non-fastidious micro-organisms.

Product Presentation:

Cat No.	Product description	Pack Size
11190050100	Soyabean Casein Digest Medium (Tryptone Soya Broth)	100 Gram
11190050500	Soyabean Casein Digest Medium (Tryptone Soya Broth)	500 Gram

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.

Composition

Ingredients	Grams / Litre
Pancreatic Digest of casein	17.00
Pappain digest of soyabean	3.00
Sodium Chloride	5.00
Dextrose	2.50
Dipotassium Phosphate	2.50
Agar	15.00

Final pH (at 25°C) 7.3±0.2

*Formula adjusted, standardized to suit performance parameters

Type of specimen

Water and Waste Water samples, Clinical samples - Faeces, Food and Dairy 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.

Directions

- ✓ Suspend 30.00 g of powder in 1000 mL distilled water.
- ✓ Mix thoroughly.
- ✓ Boil to dissolve the medium completely.
- ✓ Sterilize by autoclaving 121°C for 15 minutes or as per validated cycle.

FACTORY & OFFICE

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Storage and Stability

- ✓ Store Dehydrated culture media in cool, dry place at 10°C-30°C away from direct light.
- ✓ Store 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.

Quality Control

Dehydrated Appearance: Light Beige coloured homogeneous, free flowing powder

Prepared Appearance: Light Amber coloured, clear solution.

Growth Promotion Test: Growth promotion is carried out in accordance with the harmonized method of USP/EP/IP/IP and growth is observed after an incubation at 30°C-35°C for ≤ 3 days for bacteria and at 20°C-25°C for ≤ 5 days for fungi.

Growth Promoting Properties: The test results observed are within the specified temperature and shortest period of time specified in the test, inoculating ≤ 100 cfu of appropriate microorganism.

Cultural Response :

Organism	Type Culture	Growth	Incubation Temperature	Incubation Period
<i>Staphylococcus aureus</i>	ATCC 25923	Good	30°C -35°C	18-24 Hours
<i>Bacillus spizizenii</i>	ATCC 6633	Good	30°C -35°C	18-24 Hours
<i>Pseudomonas aeruginosa</i>	ATCC 27853	Good	30°C -35°C	18-24 Hours
<i>Salmonella typhi</i>	ATCC 6539	Good	30°C -35°C	18-24 Hours
<i>Escherichia coli</i>	ATCC 8739	Good	30°C -35°C	18-24 Hours
<i>Candida albicans</i>	ATCC 10231	Good	20°C -25°C	24-72 Hours
<i>Aspergillus brasiliensis</i>	ATCC 16404	Good	20°C -25°C	24-72 Hours

Interpretation of Results

- ✓ Examination of medium for growth after completion of incubation period.

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.

Disposal

Disposal of infectious material and material that comes in to contact with clinical sample must be decontaminated and dispose of by autoclaving or incineration or established laboratory procedures.

User must ensure safe disposal of used or unusable preparation of the products.

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.

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