OXALIS Diagnostics Pvt. Ltd.

Technical Data

Soyabean Casein Digest Agar. 100 g / 500 g

Used for the isolation and cultivation of a wide variety offastidious and non-fastidious microorganisms.

Product Presentation:

Cat No.	Product description	Pack Size
11190020100	Soyabean Casein Digest Agar	100 Gram
11190020500	Soyabean Casein Digest Agar	500 Gram

Principle

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.

The combination of Pancreatic Digest of casein and soya Pappain digest of soyabean makes this media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance. Agar as a solidifying agent.

Composition

Ingredients	Grams / Litre
Pancreatic Digest of casein	15.00
Pappain digest of soyabean	5.00
Sodium Chloride	5.00
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 40.00 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.

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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, slightly opalescent gel forms in petridishes
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 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
Staphylococcus aureus	ATCC 25923	Good	30°C -35°C	18-24 Hours
Bacillus spizizenii	ATCC 6633	Good	30°C -35°C	18-24 Hours
Pseudomonas aeruginosa	ATCC 27853	Good	30°C -35°C	18-24 Hours
Salmonella typhi	ATCC 6539	Good	30°C -35°C	18-24 Hours
Escherichia coli	ATCC 8739	Good	30°C -35°C	18-24 Hours
Candida albicans	ATCC 10231	Good	20°C -25°C	24-72 Hours
Aspergillus brasiliensis	ATCC 16404	Good	20°C -25°C	24-72 Hours

Interpretation of Results

- ✓ Examination of plates 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 be ensure safe disposal of used or unusable preperation 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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