

Soyabean Casein Digest Agar (SCDA) Plate**(M1000)**

A general purpose medium for cultivation of wide variety of organisms.

Composition

Ingredients	g/ L
Papaic digest of soyabean meal	5.00
Pancreatic digest of casein	15.00
Sodium chloride	5.00
Agar.....	15.00

Description

Soyabean Casein Digest Agar (SCDA) is a general purpose medium very rich in nutrients for general use in microbiological laboratories and for the cultivation and isolation of fastidious or non fastidious microorganisms, or for the maintenance of stock culture. It supports the abundant growth of fastidious organisms such as pneumococci, streptococci, Neisseria, etc. from clinical samples.

Containing two peptones as rich nitrogen sources, obtained by the enzymatic hydrolysis of casein and soy proteins, this medium supports the growth of a great variety of microorganisms, including fastidious aerobes and anaerobes. Soy peptone also contains natural sugars which promote bacterial growth.

Sodium chloride supplies essential electrolytes for transport and osmotic balance. Bacteriological agar is the solidifying agent.

Since it lacks carbohydrates it is very useful in the study of hemolytic reactions and also in the preparation of chocolate agar.

Specimen Collection and Handling

For clinical samples follow appropriate techniques for handling specimens as per established guidelines. After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions

In Vitro diagnostic use only. For professional use only. Follow good microbiological lab practices while handling specimens and culture.

Limitations

1. Individual organisms differ in their growth requirement and may show variable growth patterns.
2. Each lot of the medium has been tested for the organisms specified on the COA.
3. The surface of the medium should be dry when inoculated.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality control**Physical/Chemical control**

Color : Light amber pH: 7.10-7.50

Cultural Response

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.

Microbiological activity

Organisms	Growth
Escherichia coli ATCC 25922	Good growth
Pseudomonas aeruginosa ATCC 27853	Good growth
Staphylococcus aureus ATCC 25923	Good growth
Candida albicans ATCC 10231	Good growth

Storage and Shelf Life

Store between 2-8°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with sample must be decontaminated and disposed of in accordance with current laboratory techniques.

Reference

1. The United States Pharmacopoeia / National Formulary, 2008, USP 31, The United States Pharmacopoeial Convention Inc., Rockville, MD.
2. Indian Pharmacopoeia, 2007, Govt. of India, Ministry of Health and Family Welfare, New Delhi, India.