Technical Data Sheet

ASCDA012 Soyabean Casein Digest Agar with β-Lactamase

For detection and enumeration of microorganisms present from personnel of manufacturing environment of antibiotics like Penicillins, Cephalosporins of first, second, third and fourth generation and Penems.

Composition	**Ingredients Gms / Litre**
Pancreatic digest of casein	15.000
Papaic digest of soyabean meal	5.000
Sodium chloride	5.000
Agar	15.000
β-Lactamase	As per Customer Requirement

Appearance:

Light yellow to medium amber colour Sterile Soyabean Casein Digest Agar with β-Lactamase in 55 mm Petri Plates.

pH (at 25°C):

7.3 ± 0.2

Principle:

Soyabean Casein Digest Agar is used for detection and enumeration of vide variety of microorganisms present on the surfaces of sanitary importance. Scientist Leavitt et al., 1955 has discovered this media which supports the growth of aerobic and anaerobic microorganisms. Medium contains pancreatic digest of casein and Papaic digest of soyabean meal as sources of nitrogen, vitamins, amino acids and other necessary minerals. Sodium chloride is added for the osmotic balance of the media. Agar is a solidifying agent. β-Lactamase is efficiently inactivate wide range of antibiotics like Penicillins, Cephalosporins of first, second, third and fourth generation and Penems.

Quantity of Medium

17 ml of medium in 55 mm plates

Dose of Gamma irradiation

12 to 17 KGy

Cultural Response

Growth Promotion test shall be carried out in accordance with the harmonized method and growth observation after an incubation at 30-35°C for 18-24 hours and recovery should be greater than 70%.

Sterility Test:

Passes release criteria.

Shelf Life and Storage Conditions:

Use before expiry date on the label and store below 25°C.

Reference Pharmacopoeia:

IP/USP/EP