Technical Data Sheet

ASCDA017 Soyabean Casein Digest Agar with Lecithin, Polysorbate 80 and 0.3% Sodium Thio Sulphate

For detection and enumeration of microorganisms present on the surfaces of sanitary importance.

Composition	Ingredients Gms / Litre
Pancreatic digest of casein	15.000
Papaic digest of soyabean meal	5.000
Sodium chloride	5.000
Agar	15.000
Polysorbate 80	5.000
Sodium Thiosulphate	0.300
Lecithin	0.700

Appearance:

Light yellow to medium amber colour Sterile Soyabean Casein Digest Agar with Lecithin, Polysorbate 80 and Sodium Thio Sulphate in 90 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. On addition of Lecithin, Polysorbate 80 and Sodium Thio Sulphate helps in neutralizing phenols, hexachlorophene, formalin and ethanol or inactivate, mercurial, halogens, aldehydes and some of the preservatives that may inhibit bacterial growth.

Quantity of Medium

30ml of medium in 90mm 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