

ASDA002

Sabouraud Dextrose Agar with Lecithin and Polysorbate 80

For cultivation of Yeasts, Moulds and Aciduric Microorganisms.

Composition	Ingredients Gms / Litre
Dextrose	40.000
Pancreatic digest of casein	5.000
Peptic digest of animal tissue	5.000
Agar	15.000
Polysorbate 80	5.000
Lecithin	5.000

Appearance:

Light amber colour Sterile Sabouraud Dextrose Agar with Lecithin and Polysorbate 80 in 90 mm Petri Plates

pH (at 25°C):

5.6 ± 0.2

Principle:

SABOURAUD DEXTROSE AGAR (SDA) is a modification of Dextrose Agar originally designed by Raymond Sabouraud. SDA used for the isolation of saprophytic and pathogenic fungi from a variety of sources containing large numbers of other fungi or bacteria. The high concentration of Dextrose is included as an energy source. The acidic pH (5.6) of this medium promotes the growth, formation of (sporangia and conidia) as well as the formation of yeasts and molds. Characteristics features of fungi and molds, such as sporing structures and pigmentation are well developed on this medium. SDA contains Mixture of Peptic Digest of Animal Tissue and Pancreatic Digest of Casein provide nitrogen and vitamin source required for organism growth. Due to its low pH this medium is very sensitive to overheating which will soften the agar and caramelize the carbohydrate. Agar is the solidifying agent. SABOURAUD DEXTROSE AGAR W/ SOYA LECITHIN & POLYSORBATE 80 used for cultivation of yeasts, molds and aciduric bacteria. Sabouraud dextrose agar w/ soya lecithin & polysorbate 80 is a modification of Dextrose Agar originally designed by "Emmon". This medium contains Pancreatic digest of casein and Peptic digest of animal tissue which provides the carbon and nitrogen required for growth of a wide variety of organisms. Dextrose is included as an energy source. Agar is incorporated into the agar media as a solidifying agent. The acidic pH (5.6) of this medium promotes the growth, formation of (sporangia and conidia) as well as the formation of yeasts and molds.

Quantity of Medium:

30ml of medium in 90mm plates

Dose of Gamma irradiation:

12 to 17 KGy

Cultural Response:

Cultural characteristics observed on incubating at 25°C for 3 - 4 days and recovery should be greater than 70%.

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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

