



37547

Starch Agar

Part D

Specifications

Appearance (Colour)	Light cream
Appearance (Form)	Free flowing, homogeneous powder
Solubility	25.00 gms/liter
Solubility before autoclaving (Clarity)	Very slightly opalescent
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.5 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Very slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light amber
Cultural Response	Inoculate and incubate at 37°C for 18 - 4 8 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Starch hydrolysis : (-ve)
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth : Good Starch hydrolysis : (-ve)
Organism	Streptococcus pyogenes ATCC 19615
Inoculum (cfu) 10-100	Growth : Good Starch hydrolysis : (-ve)
Organism	Bacillus subtilis ATCC 6633
Inoculum (cfu) 10-100	Growth : Good Starch hydrolysis : (+ve)
Key	(+) = Starch hydrolysis is indicated by a colourless zone around the colonies after addition of Iodine Reagent. (-) = A blue or purple zone indicates that the starch has not been hydrolysed. after addition of Iodine Reagent.

Other Information

Applications

For detection of starch hydrolyzing microorganisms.

Composition

Ingredients	gm/lt.
Agar	12.00
Beef extract (ex. buffalo)	3.00
Soluble starch	10.00

Directions

1. Add 25.00 gm powder to 1.0 liter distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Autoclave at 15 psi pressure at 121°C for 15 minutes.
4. Dispense into sterile petri plates.

General Information

Storage	8 to 25°C (Cool & Dry Area)
Shelf Life	36 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
100 Gms	38210000 (GST 18%)
500 Gms	38210000 (GST 18%)
Type of Packing	
100 Gms	Plastic Bottle

Available Packages

100 Gms
500 Gms

Disclaimer

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