



47129

Deoxycholate Agar

Part D

Specifications

Appearance (Colour)	Pinkish beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	45.03 gm/liter
Solubility before boiling (clarity)	Clear to slightly opalescent with no significant precipitate
Gel strength	Firm, comparable with 1.5% agar gel
pH (25°C)	7.3 ± 0.2
Prepared medium appearance after boiling (clarity)	Clear to very slightly opalescent with no significant precipitate
Prepared medium appearance after boiling (colour)	Reddish orange
Cultural Response	Inoculate and incubate at 37°C for 18-24 hours
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : ~50.0% Colony colour : pink w/bile precipitate
Organism	Salmonella typhimurium ATCC 14028
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : ~50.0% Colony colour : colourless
Organism	Salmonella typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : ~50.0% Colony colour : colourless
Organism	Salmonella enteritidis ATCC 13076
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : ~50.0% Colony colour : colourless
Organism	Enterococcus faecalis ATCC 29212
Inoculum	>=10 ³ , Growth : Inhibited
Organism	Staphylococcus aureus ATCC 25923
Inoculum	>=10 ³ , Growth : Inhibited

Other Information

Applications

Differential medium for direct counts of coliforms from dairy products and for the isolation of enteric microorganisms from clinical and non-clinical specimens.

Composition

Ingredients	gms/lt.
Peptone	10.00
Agar	15.00
Lactose	10.00

Sodium chloride	5.00
Dipotassium phosphate	2.00
Ferric citrate	1.00
Sodium citrate	1.00
Sodium deoxycholate	1.00
Neutral Red	0.03

Directions

1. Add 45.03 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Do not autoclave.

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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