



16164

## Schaedler Agar

Part D

### Specifications

Appearance (Colour)	Beige
Appearance (Form)	Free,flowing,homogeneous powder.
Solubility	43.41 gms/lit.
pH (25°C)	7.4 -7.8
Gel strength	Firm,comparable with 1.5% agar gel
Prepared Medium Appearance after autoclaving (Colour)	Light amber
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent
Cultural Response: Inoculate and incubate at 37° C for 18-24hrs	with addition of blood and supplements under anaerobic conditions.
Organism	Bacteroides fragilis ATCC 25285
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0%
Organism	Clostridium perfringens ATCC 12924
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0%
Organism	Streptococcus pyogenes ATCC 19615
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0%
Organism	Escherichia coli ATCC 25922
Inoculum	>=10 <sup>3</sup> Growth : Inhibited

### Other Information

#### Applications

Used for the enumeration of various aerobic and anaerobic bacterial species present in the gastrointestinal tract.

Composition	
Ingredients	gm/lt.
Enzymatic Digest of Casein	5.67
Enzymatic Digest of Animal Tissue	5.00
Soya peptone	1.00
Yeast extract	5.00
Dextrose	5.83
Sodium chloride	1.67
Tris (hydroxymethyl) aminomethane	3.00
Hemin	0.01
L-Cystine	0.40
Dipotassium hydrogen phosphate	0.83
Agar	15.00

### Directions

1. Suspend 43.41 gms of powder in 950 ml distilled/purified water.
2. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. Autoclave at 15 lbs pressure at 121 °C for 15 minutes.
4. Cool to 45-50°C.
5. If desired, add 5.0%v/v sterile defibrinated sheep blood.
6. If desired, add rehydrated contents of Vitamin k1 supplement (34326) and CNA supplement (64078).
7. Mix well and dispense as desired.

### 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%)

### Available Packages

100 Gms
500 Gms

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#### Disclaimer

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