



45712

## Alicyclobacillus Detection Agar (Alicyclobacillus Agar)

Part D

### Specifications

Appearance (Colour)	Beige to light beige
Appearance (Form)	Free flowing, homogeneous powder
Solubility	29.00 gm/liter
Solubility before autoclaving (Clarity)	Clear to slightly opalescent
Gel strength	Firm comparable with 1.5% agar gel
pH (25°C)	4.0 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear to slightly opalescent
Prepared Medium Appearance after autoclaving (Colour)	Light amber
Cultural Response	Inoculate and incubate at 45°C for 18-24 hours.
Organism	Alicyclobacillus acidocaldarius ATCC 27009
Inoculum (cfu) 10-100	Growth (30°C) : Good
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth (30°C) : Inhibited
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth (30°C) : Inhibited
Organism	Candida albicans ATCC 10231
Inoculum (cfu) 10-100	Growth (30°C) : Inhibited
Organism	Saccharomyces cerevisiae ATCC 9763
Inoculum (cfu) 10-100	Growth (30°C) : Inhibited

### Other Information

#### Applications

Used for detection of Alicyclobacillus in fruit juices.

#### Composition

Ingredients	gm/lt.
Glucose	5.00
Potassium dihydrogen phosphate	3.00
Yeast extract	2.00
Magnesium sulphate	0.50
Calcium chloride	0.25
Copper sulphate	0.00016
Ammonium sulphate	0.20
Cobalt chloride	0.00018

Sodium molybdate	0.00030
Zinc sulfate	0.00018
Mangnese sulfate	0.00015
Boric acid	0.00010
Agar	18.00

**Directions**

1. Add 29.00 gm to 1.0 liter distilled/purified water and mix thoroughly.
2. Gently heat and bring to boil to dissolve medium completely.
3. Autoclave at 15 psi at 121°C for 15 minutes.

Note : The media is manufactured with pH 5.3±0.2 to maintain gel strength during sterilization. Adjust the pH at 4.0±0.2 after autoclaving, by adding 1N H2SO4 OR 1N NaOH.

**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

**Disclaimer**

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