

BI001 AGAR AGAR (TYPE 1)

Specifications

Appearance : Pale Cream to light yellow coloured homogeneous free flowing powder
Clarity (1.5% solution) : A Firm solid, Clear to slight opalescent gel at 38-41⁰c
pH (1% solution) : 6.0 – 7.0
Moisture : NMT 12 %
Gelling Temperature : 38-41⁰c
Melting range : >=85⁰c

Microbial Load:(CFU/g)

Total aerobic microbial count by plate method when incubated at 30-35 °c for 48 hours

Bacterial count :NMT 1000

Total Yeast and mold count by plate method when incubated at 20-25 °c for 120 hours

Yeast and mold count :NMT 100

Test for specific organisms

E.coli : Absent
 Salmonella species : Absent
 Pseudomonas aeruginosa : Absent
 Staphylococcus aureus : Absent

Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing Nutrient Agar (B550) using Agar Powder, Type I as an ingredient.

Organism	Growth
Escherichia coli ATCC 25922	Luxuriant
Pseudomonas aeruginosa ATCC 27853	Luxuriant
Staphylococcus aureus ATCC 25923	Luxuriant
Salmonella Typhi ATCC 6539	Luxuriant
Streptococcus pyogenes ATCC 19615	Luxuriant

Applications:

As solidifying agent in Microbiological culture media, plant tissue culture media, pharmaceutical preparations at concentrations:

For routine media – 1.2.to 1.7%

For softer media –0.5%

For semisolid media – 0.15%

For inhibition of Proteus spp. – 2.0 %

Precaution

1. For Laboratory Use
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

Storage : Below 30⁰c in cool, dry place.

Packing : 500g

Disclaimer:

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