

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 38-41^oc

pH (1% solution) : 6.0 – 7.0

Moisture : NMT 12 %

Gelling Temperature : 38-41^oc

Melting range : >=85^oc

Microbial Load:(CFU/g)

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

Bacterial count :NMT 1000

Total Yeast and mold count by plate method when incubated at 20-25 ^oc 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^oC for 18-24 hours by preparing Nutrient Agar (B550) using Agar Powder, Type I as an ingredient.

Cultural Response**Organism**

Escherichia coli ATCC 25922

Pseudomonas aeruginosa ATCC 27853

Staphylococcus aureus ATCC 25923

Salmonella Typhi ATCC 6539

Streptococcus pyogenes ATCC 19615

Growth

Luxuriant

Luxuriant

Luxuriant

Luxuriant

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 %

Refer disclaimer Overleaf

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:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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