

TECHNICAL SHEET

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

TECHNICAL SHEET

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 30°C in cool, dry place.

Packing : 500g