

Agar Bacteriological

Intended Use

A highly pure solidifying agent that is essentially free of impurities.

Mode of Action

Agar is produced for use in bacteriological routine laboratory work, plant tissue culture media, pharmaceutical preparations. With a high agar strength, low ash and mineral content that is essentially free of impurities.

Storage

Store below 30°C in tightly closed container and away from bright light. Use before expiry date on label.

Typical Analysis

Colour granules	Cream coloured
Colour in solution	Opalacent
pH (2% in water)	6.0 – 7.0
Total ash	≤ 6.5%
Gelling temperature	38-41°C
Melting range	> 85°C
Heavy (toxic) metals (as Pb)	≤ 40 ppm
Total Nitrogen	≤ 0.125%
Loss on drying	≤ 5.0%

Quality Control

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