

Agar Bacteriological

Catalog : HB8274-6

Agar Bacteriological is a raw material and coagulant for culture medium.

When preparing solid medium, the content of this product should be about 1.2%-1.5%;

When preparing semi-solid medium, the content of this product should be about 0.3%-0.6%.

Chemical Characteristics

Specifications

Appearance	White to pale brown, homogenous free flowing powder
Gel strength(1.5% at 20℃)	750-1000g/cm2
Gelting point(1.5%)	32-39℃
Melting point(1.5%)	85-90℃
Transparency(1.5%)	≤10 NTU
Calcium ug/g(ppm)	≤3000
Magnesium ug/g(ppm)	≤1000
Total ash	≤4.0%
PH(1.5%,25℃)	6.0-7.5

Microorganism Analysis

Standard Plate Count	Less than 5000 CFU/g
Yeasts and molds	Less than 100 CFU/g
Coliforms	Negative
Salmonella	Negative
Staphylococcus aureus	Negative

Quality control

Cultural characteristics observed after an incubation at 35-37℃ for 18-24 hours by preparing Nutrient Agar (HB0109) using Agar Bacteriological as an ingredient.

Organism

Growth

Escherichia coli ATCC25922	Luxuriant
Pseudomonas aeruginosa ATCC27853	Luxuriant
Staphylococcus aureus ATCC25923	Luxuriant
Salmonella Typhi ATCC6539	Luxuriant
Streptococcus pyogenes ATCC19615	Luxuriant