

MM0056

Mueller Hinton Broth

Use and description:

It is used for sensitivity testing to antibiotics in liquid media

Composition per liter:

Casein Peptone9.0 g
Tryptone 9.0 g
Corn Starch1.5 g
Buffer salt1.0g
Magnesium Sulphate 0.02 g
Sodium Carbonate0.48 g

Final pH of the ready to use medium: 7.4±0.2 at 25.0 °C

Medium preparation:

Add 21,0 grams of dehydrated culture medium to 1 liter of distilled water.
Autoclave it for 15 min at 121°C. DO NOT OVERHEAT

Quality specifications:

1. The powder is homogeneous, free flowing and light beige.
2. Ready to use medium: light amber-colored

Microbiological response after 18-24 hours at 35 °C:

Staphylococcus aureus ATCC 25923	good
Escherichia coli ATCC 25922	good
Enterococcus faecalis ATCC 33186	good
Pseudomonas aeruginosa ATCC 27853	good
Streptococcus pyogenes ATCC 19615	good

Storage:

Store the sealed bottle containing the dehydrated medium at 2 to 30.0 °C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original light beige color.