

Mueller-Hinton Broth

Art. No. 02-136

Specification

Liquid version of the agar, recommended for studies of antibiotic MIC (Minimum Inhibitory Concentration).

Formula* in g/L

Peptone.....	17,50
Starch.....	1,50
Meat infusion Solids.....	2,00
Final pH 7,3 ± 0,1 at 25°C	

* Adjusted and /or supplemented as required to meet performance criteria

Directions

Add 21 g of powder to 1 L of distilled water and dissolve completely. Distribute in suitable containers. Sterilize in the autoclave at 121°C for 15 minutes.

Description

Mueller-Hinton Broth can be used in parallel with the agar when comparative studies are desired as well as when a broth with a high nutritive capacity is required. It is especially recommended for inoculum preparation for sensitivity assays.

In this medium, the presence of starch is very important, since it acts as a detoxifying agent against toxic substances if present in the sample and it also acts as a cell regenerator.

References

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Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4°C to 30°C and <60% RH)..

Quality control

Incubation temperature: 35°C ± 2,0

Incubation time: 18 - 24 h

Inoculum: 10 - 100 CFU (Productivity)

Microorganism	Growth	Remarks
<i>Staphylococcus aureus</i> ATCC 25923	Good	-
<i>Escherichia coli</i> ATCC 25922	Good	-
<i>Pseudomonas aeruginosa</i> ATCC 27853	Good	-
<i>Escherichia coli</i> ATCC 35218	Good	-
<i>Enterococcus faecalis</i> ATCC 29212	Good	-