

## MUELLER-HINTON II BROTH

An antimicrobial susceptibility testing medium, which may be used in internationally recognised standard procedures. The medium has extremely low concentrations of thymine and thymidine as well as appropriate levels of calcium and magnesium ions.

<b>Dehydrated media</b>	
Code number:	500 g: MHC20500, 5 kg: MHC25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

**Direction:** Suspend **21 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

<b>Prepared media</b>	
Bottled media:	100 ml: MHC30100, 500 ml: MHC30500
Tubed media:	150 x 15 mm: MHC40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	7,3 – 7,5

**Direction:** Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

### FORMULA in g/l

Peptones	19,5
Starch soluble	1,5

**Note:** The typical formula can be adjusted to obtain optimal performance.

**Storage conditions:** Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

#### Quality control:

<b>Test strains</b>	Incubation temp: 37 °C	<b>Growth</b>	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Good	
<i>Enterococcus faecalis</i>	ATCC 29212	Good	
<i>Pseudomonas aeruginosa</i>	ATCC 27853	Good	
<i>Staphylococcus aureus</i>	ATCC 29213	Good	

**References:** Mueller and Hinton (1941) Proc. Soc. Exp. Biol. Med. 48: 330.

**In vitro diagnostic – for professional use only!**