

MALONATE BROTH

A differential medium for the differentiation of bacteria on the basis of their ability to utilize malonate.

Dehydrated media	
Code number:	500 g: MAD20500, 5 kg: MAD25000
Colour:	Beige
Appearance:	Homogeneous powder
pH before autoclaving (25 °C):	6,5 – 6,9

Direction: Suspend **10 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: MAD30100, 500 ml: MAD30500
Tubed media:	100 x 12 mm: MAD40003 (3 ml)
Colour:	Green
pH (25 °C):	6,6 – 6,8

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

FORMULA in g/l l

Yeast extract	2,00
Sodium malonate	3,00
Sodium chloride	2,00
Ammonium-sulphate	2,00
Bromothymol blue	0,03
Buffers	1,00

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:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Enterobacter aerogenes</i> ATCC 13048		Positive, colour change to blue	
<i>Escherichia coli</i> ATCC 25922		Negative, without colour change	

References: Lenette et al. (1985) Manual of Clinical Microbiology, 4th ed.

In vitro diagnostic – for professional use only!