MALONATE AGAR

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

Dehydrated media	
Code number:	500 g: MAA20500, 5 kg: MAA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,5 – 6,9

Direction: Suspend **25 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes. Allow to cool in slanted position.

Prepared media	
Bottled media:	100 ml: MAA30100 500 ml: MAA30500
Tubed media:	100 x 12 mm: MAA40002 (2 ml - slant)
Colour:	Green
pH (25 °C):	6,6 – 6,8

Direction: Dispense the melted bottled media aseptically into sterile test tubes. Allow to cool in slanted position. Media in tubes are ready to use.

FORMULA in g/l

Yeast extract	1,00
Sodium malonate	3,00
Sodium chloride	2,00
Ammonium sulphate	2,00
Bromothymol blue	0,03
Buffers	1,00
Agar	16,00

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 media protected from light at room temperature. Store the tubed media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

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

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

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