

MOTILITY MEDIUM

A semi-solid differential medium for the differentiation of bacteria on the basis of their motility.

Dehydrated media	
Code number:	500 g: MOA20500, 5 kg: MOA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

Direction: Suspend **22 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.

Prepared media	
Bottled media:	100 ml: MOA30100, 500 ml: MOA30500
Tubed media:	100 x 12 mm: MOA40003 (3 ml)
Colour:	Yellowish
pH (25 °C):	7,3 – 7,5

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

FORMULA in g/l

Peptones	13,00
Sodium chloride	5,00
2,3,5-Triphenyltetrazolium chloride	0,05
Agar	4,00

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>Escherichia coli</i> ATCC 25922		Positive, motility	
<i>Shigella sonnei</i> ATCC 25931		Negative, without motility	

References: Tittsler and Sandholzer (1936) J. Bacteriol. 31: 575.

In vitro diagnostic – for professional use only!