

INDOLE MOTILITY ORNITHINE (IMO) MEDIUM

A semi-solid differential medium for the differentiation of bacteria on the basis of the indole production, motility and the ornithine decarboxylase activity.

Dehydrated media	
Code number:	500 g: IMO20500, 5 kg: IMO25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,4 – 6,8

Direction: Suspend **26 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: IMO30100, 500 ml: IMO30500
Tubed media:	100 x 12 mm: IMO40002 (2 ml)
Colour:	Purple
pH (25 °C):	6,5 – 6,7

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

FORMULA in g/l

Peptones	16,00
Glucose	1,00
L-Ornithine	5,00
Bromocresol purple	0,03
Buffers	1,00
Agar	3,00

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	Reactions		
		Ornithine	Motility	Indole
<i>Escherichia coli</i> ATCC 25922		+ (violet colour)	+	+
<i>Enterobacter aerogenes</i> ATCC 13048		+ (violet colour)	+	-
<i>Klebsiella pneumoniae</i> ATCC 13883		- (yellow colour)	-	-

Irodalom: Ederer and Clark (1970) Appl. Microbiol. 2: 849.

In vitro diagnostic – for professional use only!