MOTILITY TEST AGAR

Dehydrated medium for detection of motility of gram-negative enteric bacilli according to UNI EN ISO 11290-1:2005

TYPICAL FORMULA	(g/l)
Casein Peptone	20.0
Meat	6.1
Agar	3.5

Final pH 7.2 ± 0.2

DESCRIPTION

MOTILITY TEST AGAR is a dehydrated medium for detection of motility of gram-negative enteric bacilli according to UNI EN ISO 11290-1:2005

PRINCIPLE

Casein peptones and meat provide nitrogen, vitamins, minerals and amino acids essential for growth. Agar is the solidifying agent in a low concentration to enable the motility to be seen.

PREPARATION

Suspend 29.6 g of powder in 1 litre of distilled or deionized water. Heat to boiling and shake until completely dissolved. Dispense in final containers. Sterilise at 121°C for 15 minutes.

TECHNIQUE

Inoculate tubes with a pure culture by stabbing the center of the column of medium to greater than half the depth.
Incubate tubes for 24-48 hours at 36±1°C in an aerobic atmosphere.

INTERPRETATION OF RESULTS

Motility is evidenced by the presence of diffuse growth away from the line or spot of inoculation. Nonmotile organisms grow only along the line of inoculation. Negative tubes can be reincubated at 25±2°C for an additional 5 days, if desired.
Consult appropriate texts for results with specific organisms[2,3].

STORAGE AND TRANSPORT CONDITIONS

The powder is very hygroscopic: store the powder at 10-30°C, in a dry environment, in its original container tightly closed until the expiry date on the label or until signs of deterioration or contamination are evident. Storage or transport at 2-10°C do not alter in any way the performance of the product. Store prepared media at 2-8°C.

WARNING AND PRECAUTIONS

TThe product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. it is nevertheless recommended to consult the safety data sheet for its correct use.. The product is designed for *In vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

1. Jordan, Caldwell and Reiter.1934. *J.Bacteriology* 27:165.
2. Holt, Krieg, Sneath, Staley and Williams (ed.).1994., Bergey's Manual of determinative bacteriology, 9th ed. Williams & Wilkins, Baltimore, Md.
3. Farmer, 1999.*In* Murray, Baron, Pfaller, Tenorev and Yolken (ed.), Manual of Clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.
4. Macfaddin.1985.Media for isolation-cultivation-identification-maintenance of medical bacteria, vol.1.Williams & Wilkins, Baltimore, Md.

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CE IVD

PRODUCT SPECIFICATIONS

NAME
MOTILITY TEST AGAR

PRESENTATION
Dehydrated culture medium

STORAGE
10-30°C

PACKAGING

Ref.	Content	Packaging
610132	500 g	500 g of powder in plastic bottle
620132	100 g	100 g of powder in plastic bottle

pH OF THE MEDIUM
7.2 ± 0.2

USE
MOTILITY TEST AGAR is a dehydrated medium for detection of motility of gram-negative enteric bacilli according to UNI EN ISO 11290-1:2005

TECHNIQUE
Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM
Dehydrated medium
Appearance: free-flowing, homogeneous
Colour: light beige
Prepared medium
Appearance: slightly opalescent
Colour: medium amber

SHELFLIFE
4 years

QUALITY CONTROL
1. Control of general characteristics, label and print
2. Sterility control
   7 days at 22 ± 1°C, in aerobiosis
   7 days at 36 ± 1°C, in aerobiosis
3. Microbiological control
   Inoculum for productivity: 10-100 UFC/ml
   Incubation Conditions: 18-24 h at 36 ± 1°C, in aerobiosis

Microorganisms		Growth	Motility
Enterobacter aerogenes	ATCC 13048	Good	+
Escherichia coli	ATCC 25922	Good	+
Klebsiella pneumoniae	ATCC 13883	Good	-

TABLE OF SYMBOLS

LOT Batch code	IVD *In vitro* Diagnostic Medical Device	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult accompanying documents	Do not reuse

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