

Listeria Motility Agar

Medium used for the identification and determination of motility of *Listeria monocytogenes*.

• CONTENTS (Liter)

Casein enzymic hydrolysate	20.0 g
Peptic digest of animal tissue	6.1 g
Agar	3.5 g
Final pH = 7.3 ± 0.2 at 25°C	

• PROCEDURE

Suspend 29.6 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

• INTERPRETATION

Listeria Motility Agar is a medium used for the identification and determination of motility of *Listeria monocytogenes*. Casein enzymic hydrolysate and peptic digest of animal tissue provide nitrogen, carbon, and vitamins. Agar is the solidifying agent. Low concentration of agar is used for the detection of motility.

• TECHNIC

Inoculate the specimen with stab about 1 - 2 cm depth using a sterile needle to center of the medium. Incubate at 25 - 30°C for 24 - 48 hours up to 5 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: clear to slightly opalescent

Color: light amber

Incubation conditions: 25 - 30°C / 24 - 48 hours up to 5 days

Microorganism	ATCC	Growth	Motility
<i>Listeria monocytogenes</i>	15313	good	+
<i>Staphylococcus aureus</i>	25923	good	-

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

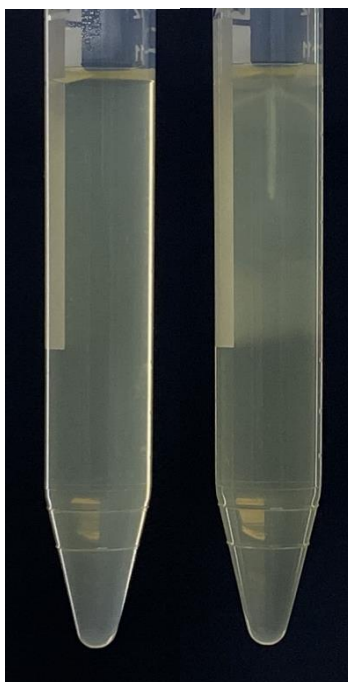
• REFERENCES

1. Milk and milk products-Detection of *Listeria monocytogenes*, International Organisation for Standardization (ISO) Draft ISO/DIS 10560 (1993)
2. Bailey and Scotts Diagnostic Microbiology, 7th Ed., The C.V. Mosby Co., St. Louis.(1986)

• PACKAGE

Cat. No : MB-L1132 Listeria Motility Agar	500 G
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• MICROBIAL CULTURE IMAGES



None *L.monocytogenes*
ATCC 15313

Incubation conditions : 25 - 30°C / 24 - 48 hours up to 5 days