

Listeria Chromogenic Medium

Product No. ESM006

Intended Use

Used for the selective isolation of *Listeria*.

Specification 74.0 g (1000mL)

pH 7.2 ± 0.2 (25°C)

Additional Reagents

Lyophilized supplement (5 vials)

Directions

Suspend 14.8 g of the powder in 192 mL of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121°C for 15 minutes. Cool to approximately 50°C.

Dissolve 1 vial of lyophilized supplement in 8mL of sterile water and vortex to mix, for at least 5 minutes until it achieves a homogeneous emulsion. Aseptically add dissolved additive to 192mL base, mix well and pour into the plates.

Precautions

No

Procedure

Sample preparation and enrichment culture for samples to be tested as instructed in the standard reference (GB, SN, ISO, FDA, etc.), then pick the enrichment liquid and inoculate it on the prepared medium plate. Incubate plates at 36±1°C in an aerobic atmosphere for 24-48 hours, or as instructed in the standard reference. Typical or suspected colonies are picked for further validation tests.

Cultural Response

Microorganisms	Colony color
<i>L.monocytogenes</i>	The blue-green colonies surrounded by an opaque, white halo.
<i>L.innocua</i>	The blue-green colonies without opaque.
<i>L.ivanuui</i>	The blue-green colonies surrounded by an opaque, white halo.
<i>S.aureus</i>	Yellow
<i>E.coil</i>	Non-growing
<i>Salmonella enterica subsp. enterica serovar Typhimurium</i>	Blue-green, colonies or non-growing



L. monocytogenes

Storage Conditions

Keep container tightly closed and store in a cool dry place below 30°C.

The additional reagents should be stored in the refrigerator at 2-8°C in the dark.

The plates should be stored in the refrigerator at 2-8°C for one week in the dark.

Shelf Life

2 years.

Related Products

Product No.	Product Name	Specification
PBE006	<i>Listeria</i> Chromogenic Agar Plates	20 Plates

For laboratory use in industry or R&D purpose. Not for drug, household or other uses.