



Description

Supplement contains antibiotic, which is targeted to selective and differential isolation of *Listeria monocytogenes* from clinical & food samples

PRINCIPLES OF THE PROCEDURE

Antimicrobial agents are employed in enrichment and plating media to suppress competing microflora as *Listeria* cells are slow growing and can be rapidly out-grown by competitors. Polymyxin B inhibits the growth of gram-negative bacteria.

APPLIED IN MEDIUM

L.MONO CONFIRMATORY AGAR BASE (TM 1806)

ALOA LISTERIA AGAR BASE (TM 1443).

COMPOSITION

Ingredients	Concentration
Polymyxin B sulphate	38350 IU

(Per vial, sufficient for 500ml of sterilized medium)

INSTRUCTIONS FOR USE

1. Aseptically rehydrate the contents of 1 vial with 10ml of sterile distilled water.
2. Mix well and add to 460ml sterilized, molten, cooled (45-50°C) ALOA Listeria Agar Base (TM 1443) along with sterile contents of 1vial each of L. Mono Selective Supplement II (TS 228) and L. Mono Enrichment Supplement I (TS 229) or add in 470 ml of sterile molten , cooled(45-50°C) L. Mono Confirmatory Agar Base (TM 1806) along with sterile contents of one vial of L. mono Selective Supplement II (TS 228) and rehydrated contents of one vial of L. mono Enrichment Supplement II (TS 229).
3. Mix well and dispense as desired.
4. Use the medium according to the manufacturer's recommendation.



Microbiological parameters (Growth promotion test)

Cultural characteristics observed after incubation at 35 - 37°C for 18 - 24 hours.

Test strains	ATCC	Inoculum (CFU)	Growth	Lecithinase activity
<i>Listeria monocytogenes</i>	19114	50-100	Good	Positive opaque halo around colonies
<i>Listeria innocua</i>	33090	50-100	Good	Negative
<i>Listeria grayi</i>	19120	50-100	Good	Negative
<i>Listeria welshimeri</i>	25897	50-100	Good	Negative
<i>Pseudomonas aeruginosa</i>	27853	50-100	Inhibited	-----

STORAGE AND STABILITY

Store the supplement vials at 2-8°C in its original packaging. If opened and not completely utilized, be certain that aseptic dispensing procedures are followed to maintain sterility of the emulsion. Protect from contamination by keeping container tightly closed

EXPIRATION

Do not use the material after the expiry period mentioned on the label. Expiry applies to emulsion in its intact container when stored as directed. Eliminate without using if any signs of deterioration are observed.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.