



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. Other competing organisms such as enterococci, are inhibited by the selective agents within the medium: nalidixic acid and ceftazidime. Nalidixic acid inhibits mainly the growth of gram-negative bacteria but also of some gram-positive bacteria whilst Ceftazidime has a broad spectrum activity against gram-negative and gram-positive bacteria. Amphotericin inhibits the growth of yeasts and moulds that may be present in the sample.

APPLIED IN MEDIUM

L.MONO CONFIRMATORY AGAR BASE (TM 1806) or
ALOA LISTERIA AGAR BASE (TM 1443)

COMPOSITION

Ingredients	Concentration
Ceftazidime	10.000 mg
Nalidixic acid, sodium salt	10.000 mg
Amphotericin B	5.000 mg

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

INSTRUCTIONS FOR USE

1. Aseptically rehydrate the contents of 1 vial aseptically with 2 ml of 0.2 N Sodium hydroxide, further add 3 ml of sterile distilled water.
2. Mix well and aseptically add it to 460 ml of sterile, molten, cooled (45-50 °C) Agar Base (TM 1443)) along with sterile contents of L. mono Enrichment supplement I (TS 229) and L. mono Selective Supplement I (TS 227) or add in 470 ml of L. mono confirmatory Agar Base (TM 1806) along with sterile contents of L. mono Enrichment Supplement II (TS 229) and L. mono Selective Supplement I (TS 227).



www.tmmedia.in

PRODUCT DATA SHEET

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	Appearance of colony
<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.

Manufacturer Address: A- 902A, RIICO Industrial Area, Phase III, Bhiwadi-301019.