

PRODUCT CODE: 416114

Fraser 1/2 Listeria Selective Enrichment (Supplement) for microbiology

Specification

Sterile selective supplement used for *Listeria* enrichment according to ISO 11290-1:2006.

Presentation

10 Freeze dried vials	Packaging Details	Shelf life	Storage
Vial with: 3 ± 0,1 g.	23x50 mm glass vials, tag labelled, White plastic cap - 10 vials per box.	49 months	2-25°C

Description and Technique

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Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results.

Reconstitute the vial with 6 ml of sterile diluent, pre-warmed to aprox. 37°C and add to 500 ml of sterilized Fraser Broth base cooled to room temperature.

Once into tubes or bottles, inoculate with the appropriate volume of sample or dilution. Incubate the tubes/bottles right side up aerobically at 35±2°C for 24-48h. (Incubation times longer than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications,...)

After incubation, subculture onto secondary selective culture media like Oxford Medium, Palcam Medium or ALOA Medium either darkened tubes, either only turbid tubes.
Enumerate all the colonies that have appeared onto the surface of the agar.

Presumptive isolation of *Listeria sp.* must be confirmed by further microbiological and biochemical tests. *Listeria* strains cause PALCAM and Oxford media get dark due to esculin hydrolysis.

Listeria strains develop characteristic haloes on ALOA medium.

Quality control

Physical/Chemical control	Microbiological control	Sterility control
Color: Dark Orange – Brown.	Prepare tubes - Inoculate: Practical range 100±20 CFU; Min. 50 CFU (Productivity). Aerobiosis. Incubation at 37 ± 1°C, reading after 24 ± 3h.	Incubation 24h at 30-35 °C and 72h at 20-25°C: - NO GROWTH Incubation 7 days at 32.5 ± 2 °C and 7 days at 22.5 ± 2°C: - NO GROWTH Add 5ml of the sample to 100ml of TSB and to 100ml Thioglycollate
Microorganism	Growth	
<i>Escherichia coli</i> ATCC® 8739 (1)	Inhibited. Confirm in TSA at 37°C±1 reading 24 ± 3h.	
<i>Enterococcus faecalis</i> ATCC® 19433 (2)	Partial Inhibition. Confirm in TSA at 37°C±1 reading 24 ± 3h.	
<i>Listeria monocytogenes</i> ATCC® 13932, WDCM 00021 + (1) + (2)	> 10 CFU. Blue-green coln. w. opaque halo (Ottaviani Agosti).	
<i>Listeria monocytogenes</i> ATCC® 35152, WDCM 00109 + (1) + (2)	> 10 CFU. Blue-green coln. w. opaque halo (Ottaviani Agosti).	

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