HALF FRASER BROTH

INTENDED USE
Primary enrichment broth for the isolation of *Listeria* spp.

FORMULA
Ingredients in grams per liter of purified water

Meat peptone	5.00	Aesculin	1.00
Casein peptone	5.00	Nalidixic acid	0.01
Meat extract	5.00	Acriflavine HCl	0.0125
Yeast extract	5.00	Lithium chloride	3.00
Sodium chloride	20.00	Ferric ammonium citrate	0.50
Buffers mix	13.35		

Adjusted and/or supplemented as required to meet performance criteria.

STORAGE
Bottles and bags: 2 - 25°C in darkness
The expiration date on the product label applies to the product in its intact packaging when stored as directed.

DIRECTIONS FOR USE
1. Add 25g of sample to 225ml and homogenize.
2. Incubate at 30°C aerobically for 24 hours.
3. Blackening of the broth indicates the presence of a potential *Listeria spp*.

LIMITATION OF THE PROCEDURE
This product is for laboratory use only.
The blackening is not exclusive of *Listeria*, so it is mandatory to isolate and identified the strain to confirm presence of *Listeria*.

QUALITY CONTROL
Physical appearance: straw opalescent broth with yellow-green fluorescence
Final pH: 7.2 ± 0.2 at 25°C

Z.A. La Parlière - 69610 - Saint Genis l'Argentière - France
Tel : +33 (0)4 74 72 36 10 - contact@indicia.fr

Expected Cultural Response

Organism	Inoculum CFU	Incubation	Results
Escherichia coli ATCC 25922 • WDCM 00013	$10^3 – 10^4$	24 h ± 2 h 30°C ± 1°C	Total inhibition after isolate on TSA
Enterococcus faecalis ATCC 19433 • WDCM 00009	$10^3 – 10^4$	24 h ± 2 h 30°C ± 1°C	Limited Inhibition (<100 UFC) after isolate on TSA
Escherichia coli ATCC 25922 • WDCM 00013 + *Enterococcus faecalis* ATCC 19433 • WDCM 00009 + *Listeria monocytogenes* ATCC 13932 • WDCM 00021	$10^3 – 10^4$ $10^3 – 10^4$ $10 – 10^2$	24 h ± 2 h 30°C ± 1°C	Blue-green colonies with opaque halo typical of L. monocytogenes (>10 UFC) after isolate on OAA (incubation 24h - 30°C)
Escherichia coli ATCC 25922 • WDCM 00013 + *Enterococcus faecalis* ATCC 19433 • WDCM 00009 + *Listeria monocytogenes* ATCC 35152 • WDCM 00109	$10^3 – 10^4$ $10^3 – 10^4$ $10 – 10^2$	24 h ± 2 h 30°C ± 1°C	Blue-green colonies with opaque halo typical of L. monocytogenes (>10 UFC) after isolate on OAA (incubation 24h - 30°C)

This is an example of organisms routinely used for testing

BIBLIOGRAPHIE

1. Fraser, J. and W. Sperber. 1988. Rapid detection of *Listeria* Spp in food and environmental samples by esculin hydrolysis. Journal of Food Protection. **51**:762-765.
2. ISO 11290-1:2017. Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp. - Part 1: Detection method.
3. ISO 11290-2:2017. Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp. - Part 2: Enumeration method.

AVAILABILITY

Catalog NO.	Pack Size
0120285	6 bottles 225 ml
0120212	4 bags 3 liters
0120328	80 bags 3 liters
0120216	2 bags 5 liters
0120320	55 bags 5 liters