Fraser Broth Complete

TN1035 500 g
TN1035-01 5 kg

Intended use
Used for the selective enrichment of *Listeria* spp. from food (according to § 64 LFGB German Food and Feed Code) and from environmental material.

Form
Powder

Colour
Bright Beige

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
3 years

Directions
Dissolve 57.9 g in 1 litre distilled water and autoclave at 121 °C for 15 minutes. Precipitates may be formed after autoclaving. Such precipitate formation has no effect on the test result.

Typical composition (g/l)

Meat peptone	5.0
Casein peptone	5.0
Meat extract	5.0
Yeast extract	5.0
Sodium chloride	50.0
Disodium hydrogen phosphate	12.0
Potassium dihydrogen phosphate	1.35
Esculin	1.0
Lithium chloride	3.0
Ammonium iron (III) citrate	0.5
Acriflavin hydrochloride	0.025
Nalidixic acid	0.02

Final pH at 25 °C
7.2 ± 0.2

Microbiological quality control
Incubation: aeobically, 24 ± 2 hours at 36 ± 1°C
Incubate smears on Palcam Agar plates (target germ) and TSA plates (none-target germ) aerobically for 24 ± 3 hours at 36 ± 1 °C.

Test strain	CFU / 10 ml*)	Smear (10 µl) Fraser Broth on Palcam Agar / TSA
Listeria monocytogenes Serovar 4a ATCC 19114	≤100	≥ 100 colonies per tube
Listeria innocua Serovar 6a ATCC 33090	≤100	≥ 100 colonies per tube
Listeria monocytogenes Serovar 1/2 a ATCC 35152 (WDCM 00109)	≤100	≥ 10 colonies per tube
Escherichia coli ATCC 25922 (WDCM 00013)	≥ 1000	
Enterococcus faecalis ATCC 29212 (WDCM 00087)	≥ 1000	
Listeria monocytogenes Serovar 4b ATCC 13932 (WDCM 00021)	≤100	≥ 10 colonies per tube
Escherichia coli ATCC 25922 (WDCM 00013)	≥ 1000	
Enterococcus faecalis ATCC 29212 (WDCM 00087)	≥ 1000	
Escherichia coli ATCC 8739 (WDCM 00012)	10^3 - 10^4	0 colonies per tube
Escherichia coli ATCC 25922 (WDCM 00013)	10^3 - 10^4	0 colonies per tube
Enterococcus faecalis ATCC 19433 (WDCM 00009)	10^3 - 10^4	≤ 100 colonies per tube
Enterococcus faecalis ATCC 29212 (WDCM 00087)	10^3 - 10^4	≤ 100 colonies per tube

*) Reference medium used: TSA

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