

Fraser Broth (Base)

TN 1257 500 g



Intended use

Used for the selective enrichment and the detection of *Listeria* spp. from foodstuffs (according to § 64 German Food and Feed Code) and from environmental materials.

Form

Powder

Colour

Bright beige

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Meat peptone	5
Casein peptone	5
Meat extract	5
Yeast extract	5
Sodium chloride	20
Disodium hydrogen phosphate	12
Potassium dihydrogen phosphate	1.4
Esculin	1
Lithium chloride	3

Directions

Dissolve 57.4 g in 1 litre distilled water, autoclave at 121 °C for 15 minutes and cool down to 50 °C. Dissolve 1/2 Fraser Selective Supplement (TN 1319) or Fraser Selective Supplement (TN 1318) according to instructions and add to the medium.

Final pH at 25 °C

7.2 ± 0.2

Microbiological quality control

In combination with 1/2-Fraser Selective Supplement and Fraser Selective Supplement.

Test strain	CFU/ 10 ml	Smear (10 µl) 1/2 Fraser Broth on Palcam Agar for 21-27 h at 30 ± 1 °C	Smear Fraser Broth on Palcam Agar for 45-51 h at 36 ± 1 °C
<i>Listeria monocytogenes</i> Serovar 1/2 ATCC 15313	10-100	≥ 100 colonies with black corona per tube	≥ colonies with black corona per tube
<i>Listeria monocytogenes</i> Serovar 4a ATCC 19114	10-100	≥ 100 colonies with black corona per tube	≥ 100 colonies with black corona per tube
<i>Listeria monocytogenes</i> Serovar 4b ATCC 19115	10-100	≥ 100 colonies with black corona per tube	≥ 100 colonies with black corona per tube
<i>Listeria innocua</i> Serovar 6a ATCC 33090	10-100	≥ 100 colonies with black corona per tube	≥ 100 colonies with black corona per tube
<i>Enterococcus faecalis</i> ATCC 29212	100-1000	no growth	no growth

Date of revision: 2014/03/20

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