Fraser-Bouillon

According to § 64 LFGB

Shorthand symbol:	FAB
Item number:	60-1035
Format:	Tube, 9ml
Colour:	Yellowish, half-transparent
Storage conditions:	Dry, closed at 15-22°C
Shelf-life:	4 Weeks
pH:	7.2 ± 0.2 at 25°C

Intented use and fields of application

The Fraser broth serves for the selective enrichment of Listeria spp. from food (§ 64 LFGB) and environmental materials.

Typical composition in g/l

in g per 1l Neutrient medium	
Meat pepton	5
Casein peptone	5
Meat extract	5
Yeast extract	5
Sodium chloride	20
Sodium hydrogen phosphate	12
Potassium dihydrogen phosphate	1.35
Aesculin	1
Lithium chloride	3
Ammonium Iron (III)-citrat	0.5
Acriflavine-Hydrochloride	0.025
Nalidixic acid	0.02

Xebios Diagnostics GmbH
Telleringstraße 49 | D-40597 Düsseldorf
T. +49 (0) 211 78 88 07 - 00
E. info@xebios.com

Microbiological quality control

The microbial performance test is carried out in conformity with the requirements of DIN EN ISO 11133.

Productivity
Incubation conditions: 48 ± 2 hours at 37 ± 1 °C; Inoculum concentration: ≤ 100 CFU

Organism	Test strain	Specification	Colony morphology
Listeria monocytogenes 4b + Escherichia coli + Enterococcus faecalis	ATCC 13932 / WDCM 00021 + ATCC 8739 / WDCM 00012 + ATCC 19433 / WDCM 00009	> 10 colonies of Palcam-Agar	Grey green and black colonies with black background (Palcam)
Listeria monocytogenes 1/2a + Escherichia coli + Enterococcus faecalis	ATCC 35152 / WDCM 00109 + ATCC 8739 / WDCM 00012 + ATCC 19433 / WDCM 00009	> 10 colonies of Palcam-Agar	Grey green and black colonies with black background (Palcam)

Selectivity
Incubation conditions: 48 ± 2 hours at 37 ± 1 °C; Inoculum concentration: ≤ 100 CFU

Organism	Test strain	Specification	Colony morphology
Escherichia coli	ATCC 8739 / WDCM 00012	Complete inhibition	-
Enterococcus faecalis	ATCC 19433 / WDCM 00009	< 100 colonies of TSA	-

Mikrobielle Kontamination
Incubation conditions: 5 – 7 days at 20 – 25 °C and 5 – 7 days at 30 – 35 °C

Spezifikation

No microbial contamination

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