

Certificate of Analysis



HALF FRASER (DEMI-FRASER) BROTH
Catalogue No. FBH002/FBH005

Lot no.: 305187
Exp. Date: MAY.05.2024

PHYSICAL CHARACTERISTICS

SPECIFICATION

Dehydrated: Appearance
Color
Prepared: Clarity
Color
Precipitate

pH:

EXPECTED RESULTS

Homogenous, free-flowing powder
Beige
Clear
Yellow to Amber
None to Slight
7.2 ± 0.2 @ 25°C

ACTUAL RESULTS

Homogenous, free-flowing powder
Beige
Clear
Yellow to Amber
None to Slight
7.1 @ 25°C

CULTURAL RESPONSE – tested in compliance to ISO 11133:2014/A2:2020

The medium was prepared according to label directions, incorporating NCM4009 Ferric Ammonium Citrate and 10mL volumes inoculated with the organisms listed below. Cultures were incubated at 30 ± 1°C under aerobic atmosphere and examined for growth at 22-26 hours. Following incubation, 10µL was subcultured onto TSA at 37 ± 1°C and examined for growth at 22-26 hours or onto Harlequin® Listeria Chromogenic Agar (HLCA)* at 37 ± 1°C and plates examined for growth at 40-48 hours.

<u>MICROORGANISM</u>	<u>WDCM</u>	<u>APPROX. INOCULUM (CFU)</u>	<u>EXPECTED RESULTS</u>				<u>ACTUAL RESULTS</u>
			<u>Growth in HF</u>	<u>Reaction in HF*</u>	<u>Recovery on HLCA**</u>	<u>Recovery on TSA</u>	
Listeria monocytogenes + Escherichia coli + Enterococcus faecalis	00021 00013 00087	10 – 100 > 10 ⁴ > 10 ⁴	Growth	Black coloration	>10 cfu Blue colonies with opaque halo	Not applicable	Meets Expected Result
Listeria monocytogenes + Escherichia coli + Enterococcus faecalis	00109 00012 00009	10 – 100 > 10 ⁴ > 10 ⁴	Growth	Black coloration	>10 cfu Blue colonies with opaque halo	Not applicable	Meets Expected Result
Escherichia coli	00012	> 10 ⁴	Inhibition	None	Not applicable	Total inhibition	Meets Expected Result
Escherichia coli	00013	> 10 ⁴	Inhibition	None	Not applicable	Total inhibition	Meets Expected Result
Enterococcus faecalis	00009	> 10 ⁴	Partial to Complete Inhibition	None	Not applicable	< 100 cfu	Meets Expected Result
Enterococcus faecalis	00087	> 10 ⁴	Partial to Complete Inhibition	None	Not applicable	< 100 cfu	Meets Expected Result

*according to Ottaviani and Agosti

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ANIMAL DERIVED MATERIAL COUNTRY OF ORIGIN INFORMATION

<u>ANIMAL DERIVED MATERIAL</u>	<u>TISSUE SOURCE/ RISK CATEGORY*</u>	<u>ANIMAL SPECIES</u>	<u>COUNTRY OF ORIGIN</u>	<u>CERTIFICATE OF SUITABILITY</u>
Animal Tissue	Lung / B*	Bovine	<i>New Zealand</i>	<i>N/A</i>
Casein	Milk/ B*	Bovine	<i>New Zealand</i>	<i>N/A</i>
Enzyme	Pancreas/ NA**	Porcine	<i>United States</i>	<i>N/A</i>
Beef Extract	Skeletal Muscle/Bone/ B*	Bovine	<i>New Zealand</i>	<i>R1-CEP 2001-299</i>

* Risk Categories as defined by the European Pharmacopeia.

** Not Applicable. "Non-TSE-relevant animal species."

Product was tested in compliance to the regulation noted above. Where a regulation is not referenced, the manufacturers standard test methods were observed. Variances in data may occur. External factors such as adverse storage conditions or contamination of product may cause loss in performance. Solus Scientific Solutions Ltd certifies that this lot met all quality control specifications for this product.

Gillian Bradley, Quality Manager

Date: Friday, May 14, 2021