Certificate of Analysis



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

Lot no.: 303027 Exp. Date: DEC.09.2022

PHYSICAL CHARACTERISTICS SPECIFICATION

EXPECTED RESULTS

Dehydrated:	Appearance	Homogenous, free-flowing powder
	Color	Beige
Prepared:	Clarity	Clear
	Color	Yellow to Amber
	Precipitate	None to Slight
<u>pH</u> :		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+A1:2018

The medium was prepared according to label directions and 10mL volumes inoculated with the organisms listed below. Cultures were incubated at $30 \pm 1^{\circ}$ C under aerobic atmosphere and examined for growth at 22-26 hours. Following incubation, 10μ L was subcultured onto TSA at $37 \pm 1^{\circ}$ C and examined for growth at 22-26 hours or onto Harlequin® Listeria Chromogenic Agar (HLCA)* at $37 \pm 1^{\circ}$ C and plates examined for growth at 40-48 hours.

and plates examined for gro	in the lot lot	APPROX.	EXPECTED RESULTS				
MICROORGANISM	<u>WDCM</u>	INOCULUM (CFU)	<u>Growth in</u> <u>HF</u>	<u>Reaction in</u> <u>HF*</u>	<u>Recovery on</u> <u>HLCA**</u>	<u>Recovery</u> <u>on TSA</u>	<u>ACTUAL</u> <u>RESULTS</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

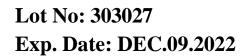
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Certificate of Analysis

HALF FRASER (DEMI-FRASER) BROTH



ANIMAL DERIVED MATERIAL COUNTRY OF ORIGIN INFORMATION

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

* Risk Categories as defined by the European Pharmacopeia.

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

Product was tested in compliance to the regulation noted above. 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: Wednesday, December 23, 2020

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