

Certificate of Analysis



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

Lot no.: 310492
Exp. Date: NOV.14.2024

PHYSICAL CHARACTERISTICS

SPECIFICATION

Dehydrated: Appearance
 Color
Prepared: Clarity
 Color
 Precipitate

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
 7.2 @ 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 |
| <i>Escherichia coli</i> | 00012 | > 10 ⁴ | Inhibition | None | Not applicable | Total inhibition | Meets Expected Result |
| <i>Escherichia coli</i> | 00013 | > 10 ⁴ | Inhibition | None | Not applicable | Total inhibition | Meets Expected Result |
| <i>Enterococcus faecalis</i> | 00009 | > 10 ⁴ | Partial to Complete Inhibition | None | Not applicable | < 100 cfu | Meets Expected Result |
| <i>Enterococcus faecalis</i> | 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 | 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.

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

Product was tested in compliance to the regulation noted above. Where a regulation is not referenced, Solus Scientific Solutions 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, December 03, 2021