

# Certificate of Analysis

**Product Code:** FBH001 / FBH002 / FBH005  
**Product:** Half Fraser Broth  
**LOT / Batch:** 146148  
**Date of Manufacture:** 07 November 2016  
**Expiry Date:** 01 November 2018

## Physical Characteristics:

**Dehydrated Medium:** Free Flowing Fine Homogeneous / Buff  
**Reconstituted Medium:** Straw  
**Precipitation:** None  
**Gel Strength (g/cm<sup>2</sup>):** N/A  
**pH at 25°C:** 7.2 Specification 7.2 +/- 0.2

## Microbiological Performance:

	Specification	Results
Listeria monocytogenes NCTC 7973	Recovered from 10-100cfu	Conforms
Listeria monocytogenes NCTC 10527	Recovered from 10-100cfu	Conforms
Listeria ivanovii NCTC 11846	Satisfactory growth	Satisfactory growth
Listeria innocua NCTC 11288	Satisfactory growth	Satisfactory growth
Listeria seeligeri NCTC 11856	Satisfactory growth	Satisfactory growth
Escherichia coli ATCC 25922	Inhibited	Inhibited
Escherichia coli ATCC 8739	Inhibited	Inhibited
Enterococcus faecalis ATCC 29212	Satisfactory inhibition	Satisfactory inhibition
Enterococcus faecalis NCTC 775	Satisfactory inhibition	Satisfactory inhibition

Incorporating SUP004. Product tested in compliance to ISO 11133:2014

Product is prepared for testing according to documented instructions. Cultures used for challenge testing are from approved culture collections and procedures used are industry accepted methodologies.

The information given above is believed to be correct, however, performance is only warranted when the medium is prepared and used as described in the instructions accompanying the goods either in or on the packaging.

**Gillian Bradley - Quality Manager**

**Date: 11 November 2016**

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