TECHNICAL DATA SHEET

DESCRIPTION FRASER BROTH + ANTIBIOTICS, BOTTLED
SGL PRODUCT CODE 9046

A medium for the primary and secondary selective enrichment of *Listeria* spp. from food and animal feedingstuffs, environmental and other samples. The product complies with the specification of ISO 11290 and APHA

This full medium includes ferric ammonium citrate

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	5.0 g
Beef extract	5.0 g
Enzymatic digest of animal tissue	5.0 g
Yeast extract	5.0 g
Aesculin	1.0 g
Disodium hydrogen phosphate	9.6 g
Potassium dihydrogen phosphate	1.35 g
Sodium chloride	20.0 g
Lithium chloride	3.0 g
Acriflavine	0.025 g
Nalidixic acid	0.02 g
Ferric ammonium citrate	0.5 g
Purified water	1000 ml

*Product may be adjusted and/or supplemented to meet performance criteria

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, straw coloured or light brown liquid
pH at 20-25°C	7.2 ± 0.3

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected
Incubation at 42-45°C for 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
Listeria monocytogenes ATCC 13932 NCTC 10527	Recovery from mixed culture: >10cfu in 10µl after 35-37°C incubation for 1 day + subculture to selective agar

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
Escherichia coli ATCC 8739 NCTC 12923 NCIB 8545 NLT 1000 CFU inoculum	Partial inhibition ≤100 colonies on TSA after 35-37°C incubation for 1 day + subculture
Enterococcus faecalis ATCC 19433 NCTC 775 NLT 1000 CFU inoculum	Partial inhibition ≤100 colonies on TSA after 35-37°C incubation for 1 day + subculture

NMT = Not more than
NLT = Not less than
CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.

Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).