



TECHNICAL DATA SHEET

DESCRIPTION MOTILITY NITRATE MEDIUM, BOTTLED
SGL PRODUCT CODE 0860

A medium used for the identification of motile nitrate utilising microorganisms such as *Clostridium perfringens* and *Pseudomonas aeruginosa*.

The medium complies with ISO 7937 and with the Microbiology of Drinking water part 6 – methods for the isolation and enumeration of sulphite-reducing clostridia and *Clostridium perfringens* by membrane filtration

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of animal tissue	5.0 g
Beef extract	3.0 g
Galactose	5.0 g
Glycerol	5.0 g
Potassium nitrate	5.0 g
Disodium hydrogen orthophosphate	2.5 g
Agar	3.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Pale brown semi-opaque semi-solid gel
pH at 20-25°C	7.3 ± 0.2

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
<i>Clostridium perfringens</i> ATCC 13124 NCTC 8237	Good growth, non-motile, nitrate reduction at 35-37°C anaerobic incubation after not more than 1 day
<i>Clostridium bifermentans</i> ATCC 19299	Good growth, motile, no nitrate reduction at 35-37°C anaerobic incubation after not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

ISSUE 01

31 JANUARY 2020



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).