



TECHNICAL DATA SHEET

DESCRIPTION O-F MEDIUM (HUGH & LEIFSON), BOTTLED
SGL PRODUCT CODE 0815

A medium used for the determination of oxidative and fermentative carbohydrate metabolism.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Pancreatic digest of casein	2.0 g
Sodium chloride	5.0 g
Dipotassium hydrogen orthophosphate	0.3 g
Glucose	10.0 g
Bromothymol blue	0.08 g
Agar	4.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Blue-green semi-solid gel
pH at 20-25°C	6.8 ± 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>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923	Good to very good growth, colour change to yellow at 35-37°C aerobic incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923	Good to very good growth, colour change to yellow at 35-37°C anaerobic incubation after not more than 1 day
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12934	Good to very good growth, colour change to yellow at 35-37°C aerobic incubation after not more than 1 day
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12934	Good to very good growth, no colour change at 35-37°C anaerobic incubation after not more than 1 day

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).