



TECHNICAL DATA SHEET

DESCRIPTION PEPTONE WATER SUGARS - MANNITOL, BOTTLED
SGL PRODUCT CODE 0517C

A medium used for carbohydrate fermentation studies to differentiate bacterial species.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of animal tissue	15.0 g
Sodium chloride	0.5 g
Mannitol	10.0 g
0.2 % Andrade's indicator (acid fuchsin)	10.0ml
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, pale straw coloured to colourless
pH at 20-25°C	7.4 ± 0.6

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>Klebsiella aerogenes</i> NCTC 9528 NMT 100 CFU inoculum	Evidence of acid production after 35 – 37°C incubation for 1 day
<i>Proteus mirabilis</i> ATCC 29906 NCTC 11938 NLT 10000 CFU inoculum	No evidence of acid production after 35 – 37°C incubation for 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).