



TECHNICAL DATA SHEET

DESCRIPTION LACTOSE PEPTONE WATER (BOTTLED)
SGL PRODUCT CODE 3539

A medium used for the biochemical identification of microorganisms, particularly *Enterobacteriaceae*, on the basis of their ability to ferment lactose. This product uses Andrade's indicator.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of animal tissue	10.0 g
Sodium chloride	0.5 g
Lactose monohydrate	10.0 g
Acid fuchsin	0.02 g
Sodium hydroxide	1.0 ml
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 liquid
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> (<i>Raoultella planticola</i>) NCTC 9528	Evidence of lactose fermentation; pink to red colour change 35-37°C incubation after not more than 1 day
<i>Proteus mirabilis</i> ATCC 29906 NCTC 11938	No evidence of lactose fermentation; no colour change 35-37°C 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).

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