



TECHNICAL DATA SHEET

DESCRIPTION UREA BROTH, BOTTLED
SGL PRODUCT CODE 0567

Urea broth is suitable for the differentiation of urease-producing organisms such as *Proteus* spp. from *Salmonella* and *Shigella* species in the diagnosis of enteric infections.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of animal tissue	1.0g
Sodium chloride	5.0g
Potassium dihydrogen orthophosphate	2.0g
Glucose	1.0g
Urea	20.0g
Phenol red	0.012g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Pale orange/pink clear liquid
pH at 20-25°C	6.8 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for 7 days	No growth detected
Incubation at 35-37°C for 7 days	No growth detected
Incubation at 42-45°C for 7 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Proteus mirabilis</i> ATCC 29906 NCTC 11938	Pink colour (alkaline reaction) after incubation at 35 – 37°C for no more than 4 hours
<i>Klebsiella aerogenes</i> NCTC 9528	Pink colour (alkaline reaction) after incubation at 35 – 37°C for no more than 24 hours
<i>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923	No colour change after incubation at 35 – 37°C for no more than 24 hours

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).

ISSUE 01
29 JANUARY 2020