



TECHNICAL DATA SHEET

DESCRIPTION 0.1% TWEEN[®] 80 BUFFERED SODIUM CHLORIDE PEPTONE BROTH, BOTTLED

SGL PRODUCT CODE 3425

A diluent for the suspension and dilution of test samples. The diluent matches the formulation requirements specified in the European Pharmacopoeia (EP) 2.6.13 with the addition of Polysorbate (Tween[®]) 80.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Potassium dihydrogen phosphate	3.6 g
Disodium hydrogen phosphate dihydrate	7.2 g
Sodium chloride	4.3 g
Peptone (meat or casein)	1.0 g
Polysorbate (Tween [®]) 80	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, colourless to pale yellow liquid
pH at 20-25°C	7.0 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for 14 days	No growth detected
Incubation at 35-37°C for 14 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739 NCTC 12923	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 18-24 hours
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 18-24 hours

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.

ISSUE 01

30 APRIL 2024



Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).