



TECHNICAL DATA SHEET

DESCRIPTION BUFFERED PEPTONE WATER (BPW), BOTTLED
SGL PRODUCT CODE 9030

A medium typically used for the non-selective pre-enrichment of micro-organisms, particularly pathogenic Enterobacteriaceae such as *Salmonella* species from food, animal feed, water and other sample types.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptone	10.0 g
Sodium chloride	5.0 g
Disodium hydrogen phosphate, anhydrous	3.5 g
Potassium dihydrogen phosphate	1.5 g
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 liquid
pH at 20-25°C	7.2 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for a minimum of 5 days	No growth detected
Incubation at 35-37°C for a minimum of 5 days	No growth detected
Incubation at 42-45°C for a minimum of 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739 NCIMB 8545	Moderate to heavy growth at 36-38°C incubation after 18±2 hours
<i>Salmonella enteritidis</i> ATCC 13076 NCTC 12694	Moderate to heavy growth at 36-38°C incubation after 18±2 hours
<i>Salmonella typhimurium</i> ATCC 14028 NCTC 12023	Moderate to heavy growth at 36-38°C incubation after 18±2 hours
<i>Escherichia coli</i> ATCC 8739 NCIMB 8545	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 24±4 hours
<i>Staphylococcus aureus</i> ATCC 25923	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 24±4 hours



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Listeria monocytogenes</i> ATCC 13932	±30% recovery after 60 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 24±4 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 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).