



TECHNICAL DATA SHEET

DESCRIPTION 0.1% BUFFERED PEPTONE WATER, BOTTLED
SGL PRODUCT CODE 4969

Diluent primarily used as a general rinse or diluent to test a wide variety of samples. The formulation is 10% of the concentration stated in ISO 6579 and European Pharmacopoeia 2.6.31.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptone	1.0 g
Sodium chloride	0.5 g
Disodium hydrogen phosphate dodecahydrate (12H ₂ O)	0.9 g
Potassium dihydrogen phosphate	0.15 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, colourless liquid
pH at 20-25°C	7.2 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°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>Bacillus subtilis</i> ATCC 6633 WDCM 00003	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 22-25°C for 18-24hrs
<i>Candida albicans</i> ATCC 2091 WDCM 00055	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for 24-48hrs
<i>Clostridium sporogenes</i> ATCC 19404 WDCM 00008	±30% recovery after 45 mins at room temperature compared to original count. Incubation anaerobically at 35-37°C for 18-24hrs
<i>Escherichia coli</i> ATCC 8739 WDCM 00012	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for 18-24hrs
<i>Enterobacter cloacae</i> ATCC 13047 WDCM 00083	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for 18-24hrs



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Staphylococcus aureus</i> ATCC 25923 WDCM 00034	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for 18-24hrs
<i>Staphylococcus aureus</i> ATCC 6538 WDCM 00032	±30% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for 18-24hrs

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

Manufactured in compliance with ISO 9001 (Ref No FM37824).