



TECHNICAL DATA SHEET

DESCRIPTION D/E NEUTRALISING BROTH, BOTTLED
SGL PRODUCT CODE 9020

A medium recommended for neutralising and testing antiseptics and disinfectants, particularly in environmental samples where neutralisation of the chemical is important to determine its bactericidal activity.

FORMULATION

Typical product composition*:

| COMPONENT | WEIGHT / VOLUME |
|----------------------------|-----------------|
| Dextrose | 10.0 g |
| Lecithin | 7.0 g |
| Sodium thiosulphate | 6.0 g |
| Polysorbate 80 | 5.0 g |
| Enzymatic digest of casein | 5.0 g |
| Yeast extract | 2.5 g |
| Sodium bisulphite | 2.5 g |
| Sodium thioglycollate | 1.0 g |
| Bromocresol purple | 0.05 g |
| Purified water | 1000 ml |

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

QUALITY CONTROL SPECIFICATION

| PHYSICAL TESTS | SPECIFICATION CRITERIA |
|----------------|------------------------|
| Appearance | Opaque, violet liquid |
| pH at 20-25°C | 7.7 ± 0.2 |

| 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>Bacillus subtilis</i> ATCC 6633 NCTC 10400 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 1 day |
| <i>Candida albicans</i> ATCC 10231 NCPF 3179 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 2 days |
| <i>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 1 day |
| <i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 1 day |



| GROWTH PROMOTION / INHIBITION TESTS | SPECIFICATION CRITERIA |
|--|---|
| <i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12934 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 1 day |
| <i>Salmonella enteritidis</i> NCTC 5188 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 1 day |

| DISINFECTANT NEUTRALISATION TESTS | SPECIFICATION CRITERIA |
|-----------------------------------|--------------------------------|
| Chlorine 2.0% | Full or partial neutralisation |
| Formaldehyde 0.1% | Full or partial neutralisation |
| Glutaraldehyde 1% | Full or partial neutralisation |
| Iodine 2.0% | Full or partial neutralisation |
| Mercurial 1:1000 | Full or partial neutralisation |
| Phenol 2.0% | Full or partial neutralisation |
| Quaternary ammonium 1:400 | Full or partial neutralisation |

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).