



TECHNICAL DATA SHEET

DESCRIPTION LETHEEN BROTH + 5% TWEEN®, BOTTLED

SGL PRODUCT CODE 3226

Letheen broth + 5% Tween® is a highly nutritious medium containing lecithin and polysorbate (Tween®) 80 for the neutralisation of quaternary ammonium compounds.

FORMULATION

Typical product composition*:

| COMPONENT | WEIGHT / VOLUME |
|-------------------------|-----------------|
| Peptone from meat | 20.0 g |
| Peptone from casein | 5.0 g |
| Meat extract | 5.0 g |
| Yeast extract | 2.0 g |
| Sodium chloride | 5.0 g |
| Lecithin | 0.7 g |
| Sodium bisulfite | 0.1 g |
| Polysorbate (Tween®) 80 | 50 ml |
| Purified water | 1000 ml |

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

QUALITY CONTROL SPECIFICATION

| PHYSICAL TESTS | SPECIFICATION CRITERIA |
|----------------|------------------------------|
| Appearance | Turbid amber or brown liquid |
| pH at 20-25°C | 7.0 ± 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>Bacillus subtilis</i> ATCC 6633 NCTC 10400 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 18-24 hours |
| <i>Candida albicans</i> ATCC 10231 NCPF 3179 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 18-24 hours |
| <i>Kocuria rhizophila (Micrococcus luteus)</i> ATCC 9341 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 18-24 hours |
| <i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum | Growth detected at 35-37°C incubation after not more than 18-24 hours |

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

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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).