# TECHNICAL DATA SHEET

**DESCRIPTION** PERFRINGENS AGAR BASE (TSC), BOTTLED
**SGL PRODUCT CODE** 9092

A medium for the isolation, enumeration and differentiation of Clostridium perfringens from food, animal feed, water and other materials. The medium complies with the specifications of EN ISO 7937, ISO 14189, APHA and MODW part 6.

## FORMULATION

Typical product composition*:

| COMPONENT | WEIGHT / VOLUME |
|---|---|
| Enzymatic digest of casein | 15.0 g |
| Yeast extract | 5.0 g |
| Enzymatic digest of soya bean | 5.0 g |
| Sodium disulphite | 1.0 g |
| Ammonium iron (III) citrate | 1.0 g |
| Agar | 14.0 g |
| Purified water | 1000 ml |

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

## QUALITY CONTROL SPECIFICATION

| PHYSICAL TESTS | SPECIFICATION CRITERIA |
|---|---|
| Appearance | Green/brown gel, opalescent to translucent |
| pH at 20-25°C | 7.4 ± 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 |
|---|---|
| *Clostridium perfringens* ATCC 13124 NCTC 8237<br>NMT 100 CFU inoculum | ≥50% CFU recovery compared to control, black colonies at 35-37°C anaerobic incubation after not more than 1 day |
| *Clostridium perfringens* ATCC 12916 NCTC 8238<br>NMT 100 CFU inoculum | ≥50% CFU recovery compared to control, black colonies at 35-37°C anaerobic incubation after not more than 1 day |
| *Pseudomonas aeruginosa* ATCC 27853<br>NCTC 12934<br>NMT 100 CFU inoculum | <50% CFU recovery compared to control at 35-37°C anaerobic incubation after not more than 1 day |
| *Escherichia coli* ATCC 8739 NCTC 12923<br>NCIB 8545<br>NLT 1000 CFU inoculum | No growth at 35-37°C anaerobic incubation after not more than 1 day |

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).