# TECHNICAL DATA SHEET

**DESCRIPTION** BACILLUS CEREUS SELECTIVE AGAR (MYP), 90MM PLATES
**SGL PRODUCT CODE** 7991

A selective medium designed to recover *Bacillus cereus* as described in ISO 11133. *Bacillus cereus* colonies grow as pink or red colonies surrounded by a white precipitate.

**FORMULATION**

Typical product composition*:

| COMPONENT | WEIGHT / VOLUME |
|---|---|
| Beef extract | 1.0 g |
| Peptone | 10.0 g |
| D-mannitol | 10.0 g |
| Sodium chloride | 10.0 g |
| Phenol red | 0.025 g |
| Agar | 15.0 g |
| Polymyxin B | 100,000 IU |
| Purified water | 950 ml |
| Egg yolk emulsion | 50 ml |

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

**QUALITY CONTROL SPECIFICATION**

| PHYSICAL TESTS | SPECIFICATION CRITERIA |
|---|---|
| Appearance | Opaque, orange/pink gel |
| pH at 20-25°C | 7.2 ± 0.2 |

| STERILITY TESTS | SPECIFICATION CRITERIA |
|---|---|
| Incubation at 22-25°C for 14 days | No growth detected |
| Incubation at 35-37°C for 14 days | No growth detected |
| Incubation at 42-45°C for 14 days | No growth detected |

| GROWTH PROMOTION / INHIBITION TESTS | SPECIFICATION CRITERIA |
|---|---|
| *Bacillus cereus* ATCC 11778 WDCM 00001 | ≥70% CFU recovery compared to control at 29-31°C incubation after 24-48 hours<br>Pink colonies and precipitate around colonies |
| *Bacillus spizizenii (subtilis)* ATCC 6633 WDCM 00003 | Variable CFU recovery at 29-31°C incubation after 40-48 hours<br>Yellow colonies or no colour change and without precipitate around colonies |
| *Escherichia coli* ATCC 8739 WDCM 00012 NLT 100 CFU inoculum | Total inhibition at 29-31°C incubation after 40-48 hours |
| *Escherichia coli* ATCC 25922 WDCM 00013 NLT 100 CFU inoculum | Total inhibition at 29-31°C incubation after 40-48 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 in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).