

TECHNICAL DATA SHEET

DESCRIPTIONEGG YOLK EMULSION, BOTTLEDSGL PRODUCT CODE0686

Egg yolk emulsion is typically used as an additive in various media, for example, in the detection of *Clostridium perfringens* species such as Perfringens TSC agar (e.g. SGL Produce Code 9094) and *Bacillus cereus*, such as *Bacillus cereus* selective agar (e.g. SGL Product Code 7991). The egg yolk permits the detection of microbial lecithinase activity.

FORMULATION

Typical product composition*:

| COMPONENT | WEIGHT / VOLUME |
|-----------------|-----------------|
| Egg yolk | 500 ml |
| Sodium chloride | 4.25 g |
| Purified water | 500 ml |

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

QUALITY CONTROL SPECIFICATION

| PHYSICAL TESTS | SPECIFICATION CRITERIA |
|----------------|--|
| Appearance | Pale yellow to orange emulsion. |
| | Traces of egg precipitate may be visible on the surface of the bottle. The viscosity of the emulsion may vary. |

| STERILITY TESTS | SPECIFICATION CRITERIA |
|-----------------------------------|------------------------|
| Incubation at 20-25°C for 14 days | No growth detected |
| Incubation at 35-37°C for 14 days | No growth detected |

| GROWTH PROMOTION / INHIBITION TESTS *1 | SPECIFICATION CRITERIA |
|---|--|
| Bacillus cereus ATCC 11778 NCTC 10320 | ≥50% CFU recovery compared to control, pink |
| NMT 100 CFU inoculum | background with precipitate halo at 29-31°C |
| | incubation after not more than 2 days |
| Bacillus subtilis ATCC 6633 NCTC 10400 | Moderate to good growth compared to control, |
| NLT 1000 CFU inoculum | yellow colony without precipitate halo at 29- |
| | 31°C incubation after not more than 2 days |
| Escherichia coli ATCC 8739 NCIMB 8545 | Total inhibition at 29-31°C incubation after not |
| NCTC 12923 | more than 2 days |
| NLT 1000 CFU inoculum | |
| Escherichia coli ATCC 25922 NCTC 12241 | Total inhibition at 29-31°C incubation after not |
| NLT 1000 CFU inoculum | more than 2 days |

*¹ Tests are performed on *Bacillus cereus* agar (SGL Product Code 4851) when 0686 sample is added to the agar.

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 in a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).