

## Technical Data Sheet

### Egg-Yolk Emulsion sterile, 50 %, for microbiology

Ordering number: 1.03784.0001

Egg-yolk Emulsion is used as an additive, e.g. for GranuCult™ MYP (Mannitol Egg Yolk Polymyxin) Agar (Base) acc. EN ISO 7932, ISO 21871 and FDA-BAM (article number 1.05267.0500) and PEMBA (Polymyxin pyruvate egg yolk mannitol bromothymol blue) agar.

#### Mode of Action

Egg-yolk permits the detection of microbial lecithinase activity.

#### Typical Composition

Sterile Egg-Yolk	500 ml/l
NaCl	4.25 g/l
distilled water to give a final volume of 1000 ml	

#### Preparation

Shake the bottle well to suspend any sediment.

For the preparation of MYP agar, mix under aseptic conditions 100 ml Egg-Yolk Emulsion with 900 ml of the culture medium which has been sterilized and cooled to 45-50 °C. Pour plates.

When emptying the bottle of Egg-Yolk Emulsion, aseptic conditions have to be observed.

#### Storage

Usable up to the expiry date when stored dry and tightly closed at +2 °C to +8 °C.

#### Quality Control

Egg-Yolk Emulsion is tested in GranuCult™ MYP (Mannitol Egg Yolk Polymyxin) Agar (Base) acc. ISO 7932, ISO 21871 and FDA-BAM (article number 1.05267.0500).

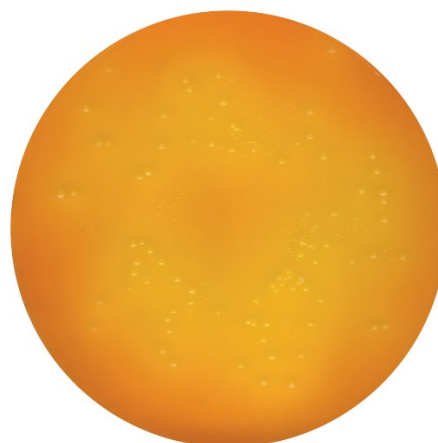
Function	Control strains	Incubation	Method of control	Expected results
Productivity	<i>Bacillus cereus</i> ATCC® 11778	21-27 to 40-48 h at 29-31 °C	Qualitative	Good to very good growth, pink colonies with precipitation halo

Function	Control strains	Incubation	Method of control	Expected results
Selectivity	<i>Escherichia coli</i> ATCC® 8739	40-48 h at 29-31 °C	Qualitative	Total inhibition
	<i>Escherichia coli</i> ATCC® 25922			
Specificity	<i>Bacillus subtilis</i> ATCC® 6633	40-48 h at 29-31 °C	Qualitative	Yellow colonies without precipitation halo

Please refer to the actual batch related Certificate of Analysis.



*Bacillus cereus* ATCC®  
11778 on MYP agar



*Staphylococcus aureus* ATCC® 6538  
on MYP agar

## Literature

APHA (2015): Compendium of Methods for the Microbiological Examination of Foods. 5<sup>th</sup> ed. American Public Health Association, Washington, D.C.

FDA-BAM (2013): Chapter No. 14: *Bacillus cereus*. U.S. Food and Drug Administration - Bacteriological Analytical Manual.

ISO International Standardisation Organisation. Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of presumptive *Bacillus cereus* - Colony-count technique at 30 °C. EN ISO 7932:2004.

ISO International Standardisation Organisation. Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media. EN ISO 11133:2014.

ISO International Standardisation Organisation. Microbiology of food and animal feeding stuffs - Horizontal method for the determination of low numbers of presumptive *Bacillus cereus* - Most probable number technique and detection method. EN ISO 21871:2006.

## Ordering Information

Product	Cat. No.	Pack size
Egg-Yolk Emulsion sterile, 50%, for microbiology	1.03784.0001	10 x 100 ml
GranuCult™ MYP (Mannitol Egg Yolk Polymyxin) Agar (Base) acc. ISO 7932, ISO 21871 and FDA-BAM	1.05267.0500	500 g
Bacillus Cereus Selective Supplement	1.09875.0010	10 x 1vial

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