Condalab

Reference: 5156 **Technical Data Sheet**

Product: **EGG YOLK EMULSION 50%**

Specification

Sterile egg yolk emulsion for microbiological media formulation

Presentation

	Packaging Details	Shelf Life	Storage
1 Prepared bottle Bottles 1 L with: 500 ± 3 ml	1 box with 1 bottle 500 ml. Plastic screw inner cap.	24 months	2-14 ºC

Composition

Composition (g/l):
Egg Yolk ..... 500 ml
Sterile water..... 500 ml

Description /Technique

Egg emulsion for different culture media supplementation. Add aseptically to melted bottles of *Bacillus cereus* base medium (MYP Agar base art. no. 8710) cooled to 50 ºC, before pouring into Petri dishes when cooled to room temperature.
Once solidified on a flat surface, spread the plates by streaking methodology or by spiral method. Incubate the plates right side up aerobically at 35-37 ºC for 24-48 hours.
(Incubation times longer than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications,... This medium can be inoculated directly or after any enrichment broth).
After incubation, enumerate all the colonies that have appeared on the surface of the agar.
Selective supplementation of the medium supresses almost all the accompanying flora.
Each laboratory must evaluate the results according to their specifications.
Presumptive isolaton of *Bacillus sp* must be confirmed by further microbiological and biochemical tests.
Calculate total microbial count per ml of sample by multiplying the average number of colonies per plate by the inverse dilution factor if streaked a diluted sample. Report results as Colony Forming Unit (CFU's) per ml or g along with incubation time and temperature.

Quality control

Physical/Chemical control

Color : yellow pH: at 25ºC

Microbiological control

Add 5 ml of product to 95 ml of Bacillus Cereus Agar base
Inoculate:Practical range 100 ± 20 CFU. Min. 50 CFU (Productivity).
Aerobiosis. Incubation at 37 ºC ± 1, reading after 24-48 ± 2h

Microorganism	Growth
Bacillus cereus ATCC® 11778, WDCM 00001	Good

Sterility Control

Inoculate 10 ml of product in 100 ml THIO USP / TSB. Incubate and verify in TSA.
Incubation 7 days at 30-35 ºC: NO GROWTH.

Bibliography

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