

Bacillus cereus Supplement

REF 81016

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Bacillus cereus Supplement

Selective supplement for the isolation of *Bacillus cereus*.

DESCRIPTION

BACILLUS CEREREUS *Supplement* is a selective supplement for the isolation of *Bacillus cereus* from foods. The selective supplement is made of freeze-dried Polymyxin B. BACILLUS CEREREUS *Supplement* is used for the selective enrichment of media recommended for the isolation of *Bacillus cereus* such as the Bacillus cereus Agar Base (formulations PEMBA code 610136-620136 or Mossel 610114-620114).

KIT CONTENTS

Each kit contains:

- 10 bottles of BACILLUS CEREREUS *Supplement* freeze-dried

PRINCIPLE OF THE METHOD

Polymyxin B is an antibiotic which inhibits bacteria that cannot be present inside foods without interfering with the growth of *Bacillus cereus*.

COMPOSITION

BACILLUS CEREREUS Supplement		
	Contents / bottle	Contents / l of medium
Polymyxin B	50000 IU	100000 IU

PROCEDURE FOR USE

1. Aseptically reconstitute the contents of one bottle of BACILLUS CEREREUS *Supplement* with 5 ml of sterile distilled water. Shake until completely dissolved, avoiding foam formation.
2. Aseptically add the entire contents of one bottle (5 ml) to 500 ml of the medium Bacillus cereus Agar Base (Mossel) code 610114-620114 and to the medium Bacillus cereus Agar Base (PEMBA) 610136-620136, autoclaved and cooled to 45-50 °C.
3. Mix with care.
4. Distribute into Petri dishes.

TECHNIQUE AND INTERPRETATION OF THE RESULTS

Refer to the technical documentation for culture media to be enriched with BACILLUS CEREREUS *Supplement* such as those indicated above.

QUALITY CONTROL

1. Control of the appearance: a white freeze-dried product.
2. Microbiological control.

Prepare the plates of Bacillus cereus Agar Base code 610114 enriched with BACILLUS CEREREUS *Supplement* (1 bottle in 500 ml of medium) and with EGG Yolk Emulsion code 80019 or 80219. Plates are inoculated with the strains indicated in the microbiological control table.

Incubation conditions: 24 h at 30 °C.

Microbiological control

	Control strains	Growth	Colonies colour
<i>Escherichia coli</i>	ATCC 25922	Inhibited	-----
<i>Bacillus cereus</i>	ATCC 11788	Good	Red (Mossel)
<i>Bacillus cereus</i>	ATCC 14579	Good	Red (Mossel)

PRECAUTIONS

For professional use only. Operators must be trained and have certain experience in the laboratory methods. Please read the instructions carefully before using this product. Reliability of assay results cannot be guaranteed if there are any deviations from the instructions in this document.

Consult the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.


STORAGE

Store BACILLUS CEREREUS *Supplement* at 2-8 °C in its original packaging. Keep away from sources of heat and avoid excessive changes of temperature. In such conditions BACILLUS CEREREUS *Supplement* maintains its validity until the expiry date indicated on the label. Eliminate without using if there are signs of deterioration.

REFERENCES

- ICMSF (1978). Microorganisms in Foods. Toronto University Press. 274-275.
- Holbrook, R., and J.M. Anderson, (1980). Can.J. Microbiol. 26, 753-759.
- ISO 7932: 1993 Microbiology-General guidance for the enumeration of Bacillus cereus-Colony count technique at 30 °C.

PRESENTATION

Product	REF	
BACILLUS CEREREUS Supplement	81016	10 bottles

One bottle is sufficient to prepare 500 ml of medium.

TABLE OF SYMBOLS

 Batch code	 Do not reuse	 Manufacturer	 Contains sufficient for <n> tests	 Temperature limitation
 Catalogue number	 Fragile, handle with care	 Use by	 Consult instructions for use	



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