

## CHROMOGENIC BACILLUS CEREUS AGAR

**Intended use:** chromogenic and selective medium for the enumeration of *B. cereus* group in foodstuffs without confirmation tests.

### TYPICAL FORMULA

Peptones	20,3 g
Glucose	2,3 g
Sodium chloride	5,0 g
Phosphate buffer	2,4 g
Mix of inhibitors	2,2 g
Agar	14,0 g
Egg Yolk Emulsion	100 ml
Chromogenic substrates	5 mg
Mix of inhibitors	20 mg
Purified water	1000 ml

Final pH 7.2 ± 0.2

### DESCRIPTION

CBCA is a selective chromogenic medium that allows the enumeration of *Bacillus* of the *cereus* group without confirmation tests. The selectivity of the medium has been optimized to prevent the overgrowth of the interfering flora and to allow an easy interpretation of the results even when highly contaminated samples with competitive flora are analysed.

Thanks to the high specificity and selectivity of CBPA it is not necessary to carry out confirmatory tests on typical colonies.

### TECHNIQUE

For the isolation and enumeration of *B. cereus* group in foodstuffs the following method is recommended:

1. Prepare the test sample in accordance with the specific International Standard appropriate to the product concerned.
2. Distribute 0.1ml of test sample if the product is liquid, or of the initial suspension if solid onto the surface of two agar plates (90mm). Repeat the procedure using further decimal dilutions
3. If low number of *B.cereus* is expected, distribute 1ml of test sample if the product is liquid or 1ml of the initial suspension if solid to each of two agar plates (140mm) or split over the surface of three 90mm plates.
4. Carefully spread the inoculum as quickly as possible over the surface of the agar plates. Leave the plates with the lids on for about 15 minutes at room temperature for the inoculum to be adsorbed.
5. Incubate at 30°C ± 1°C in aerobic conditions for 24 ± 2 hours.
6. Count as *B. cereus* group the colonies in the plates with less than 150 UFC, that have the following characteristics: large, pink orangey colonies surrounded by an opaque halo. All the strains belonging to the *Bacillus cereus* group will give characteristic colonies. Some bacteria can also grow as orangey coloured colonies but without expression of the opaque halo.

### STORAGE

Store the ready to use plates at 2-8°C and use before the expiry date on the label.

### PACKAGING

**541114 Chromogenic Bacillus Cereus Agar**

**20 ready to use plates**