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### SURFACE SAMPLE COLLECTION MEDIUM

## BacterContact<sup>TM</sup> DG 18 + Chloramphenicol

Fungal culture medium for surface microbiological sampling, supplemented with neutralizing agents to inactivate surface disinfectants

**Code: 12006** 

BacterContact™
DG 18 + Chloramphenicol

# BacterLab | SO 13485 | ISO 9001 INSTRUCTION FOR USE



#### 1. INTENDED USE

BacterContact<sup>™</sup> DG 18 + Chloramphenicol for surface microbiological sampling with the addition of a neutralizing agent to deactivate the surface disinfectant.

The packaging with semi-permeable Cellophane film helps balance the humidity of the environment during storage.

#### 2. PRINCIPLES

**BacterContact<sup>TM</sup> DG 18 + Chloramphenicol:** is a medium supplemented with 18% glycerol to reduce water activity from approximately 0.99 to 0.95. It also contains chloramphenicol to inhibit bacterial growth. The medium includes dichloran, which helps prevent the rapid spreading of mucoraceous fungi and limits the colony size of other genera, thereby reducing the number of colonies.

#### 3. TYPICAL COMPOSITION

For 1 liter of medium

| Tryptone                                 | 5,0 g   |
|--|---------|
| Glucose                                  | 10,0 g  |
| Monopotassium phosphate                  | 1,0 g   |
| Magnesium sulfate, H <sub>2</sub> O      | 0,5 g   |
| Dichloran (dichloro-2,6-nitro-4-aniline) | 2,0 mg  |
| Chloramphenicol                          | 0,1 g   |
| Glycerol                                 | 220,0 g |
| Agar                                     | 15,0 g  |

pH of the ready-to-use media at 25 °C:  $5.6 \pm 0.2$ 

#### 4. PREPARATION

The environmental plates are ready-to-use, no preparation required.

#### 5. INSTRUCTIONS FOR USE

- Prepare the surface to be tested: Clean the surface to be tested using a 70% alcohol solution or another cleaning solution. Then, wait for the surface to dry completely.
- Open the pre-packaged BacterContact plates: Ensure that the packaging of the plates is not torn or damaged before opening.
- Place the Contact plate on the surface to be tested: Press the Rodac plate onto the surface to be tested. The recommended contact time between the plate and the test surface is 10 seconds with a pressing force of 500g.
- Seal the Rodac plate: Make sure that the lid of the Rodac plate is tightly closed. Wipe the surface again with 70% alcohol.
- For total yeast and mold count (Microbial Limit Test), plates should be incubated for
   5 to 7 days at 20 25 °C (EP/USP) prior to colony counting

#### 6. RESULTS



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After incubating for the required period, usually 3–5 days, check the plate for the presence of fungi. The results will be evaluated by counting the number of fungal colonies on the plates.

#### 7. QUALITY CONTROL

**BacterLab** ensures the quality of each product batch by testing with ATCC reference strains.

| Microorganisms             | Incubation conditions                    | <b>Expected results</b> |
|----------------------------|--|-------------------------|
| C. albicans ATCC 10231     | 24 – 48 hours of incubation at 30 – 35°C | P <sub>R</sub> > 50 %   |
| S. cerevisiae ATCC 20827   | 24 – 48 hours of incubation at 30 – 33 C | 1 R ≥ 30 70             |
| A. brasiliensis ATCC 16404 | 72 hours of incubation at 20 – 25°C      | P <sub>R</sub> ≥ 70 %   |

#### 8. STORAGE AND TRANSPORT CONDITIONS

- Storage:  $2 8^{\circ}$ C.
- Transportation: Ambient temperature.

#### 9. PACKAGING

Packaging: 10 plates/ box or as per customer request.

#### 10. SHELF LIFE

Expiration Date: 06 months from the manufacturing date.

#### 11. BIBLIOGRAPHY

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  - https://www.solabia.com/biokar-diagnostics/product/dichloran-glycerol-dg-18-agar/?documentation=4996&\_wpnonce=0a499890a6
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