

BacterLab Division



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## SURFACE SAMPLE COLLECTION MEDIUM

### BacterContact™ Malt Extract Agar

Ready-to-use medium on 60mm plates for surface microbiological sampling with the addition of a neutralizer to neutralize surface disinfectant chemicals

Code: 12011

BacterContact™  
Malt Extract Agar

## 1. INTENDED USE

**BacterContact™ Malt Extract Agar** is a medium on a Rodac plate used for culturing fungi in surface microbiological sampling.

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

## 2. PRINCIPLES

**BacterContact™ Malt Extract Agar:** is rich in carbohydrates, providing all the essential nutrients required for the metabolism of yeasts and molds. Additionally, the acidic nature of the medium inhibits most contaminating bacteria.

## 3. TYPICAL COMPOSITION

*For 1 liter of medium*

Malt extract	30,0 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.
- Evaluation of Results: Incubate the Rodac plates for 3 days at 25°C to allow yeast and mold growth on the plates

## 6. RESULTS

After incubation for the required period, typically from 3 days, the plates are examined for the presence of microorganisms. The results are evaluated by counting the number of microbial colonies on the plates.

## 7. QUALITY CONTROL

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

Microorganisms	Incubation conditions	Expected results
<i>C. albicans</i> ATCC 10231	72 hours of incubation at 25 °C	$P_R \geq 70 \%$
<i>A. brasiliensis</i> ATCC 16404		
<i>S. cerevisiae</i> ATCC 20827		

## 8. STORAGE AND TRANSPORT CONDITIONS

- Storage: 2 – 8°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

- Solabia Group. *Malt Extract Agar*. Biokar Diagnostics. Retrieved from:  
[https://www.solabia.com/biokar-diagnostics/wp-content/uploads/sites/6/2023/03/TDS\\_MALT-EXTRACT-AGAR\\_BK045\\_ENv9.pdf](https://www.solabia.com/biokar-diagnostics/wp-content/uploads/sites/6/2023/03/TDS_MALT-EXTRACT-AGAR_BK045_ENv9.pdf)