BacterLab Division

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SURFACE SAMPLE COLLECTION MEDIUM

BacterContact™ SDA with Chloramphenicol

Ready-to-use medium on 60mm plates for the determination of the total count of yeasts and molds.

Code: 12001

1. INTENDED USE

BacterContact™ SDA with Chloramphenicol is recommended for the isolation and the enumeration of yeasts and molds, especially when the samples are highly contaminated with bacteria.

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

2. PRINCIPLES

BacterContact™ SDA có Chrloramphenicol is a medium formulated with a pH of approximately 5.6, which promotes the growth of fungi, particularly dermatophyte species, while inhibiting the growth and development of other bacteria in the sample. The product contains peptone, which provides amino acids and nitrogen as a nutrient source for growth and development. Dextrose serves as a carbon source and is considered an energy source. Chloramphenicol prevents bacterial growth.

3. TYPICAL COMPOSITION

For 1 liter of medium

Dextrose	40,0 g
Pancreatic digest of animal tissues	5,0 g
Pancreatic digest of casein	5,0 g
Chloramphenicol	50,0 mg
Agar	15,0 g

pH of the read-to-use media at 25 °C: 5,6 ± 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

After incubation for the required period, usually from 3 to 5 days, the plates are examined for the presence of fungi. The results are 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	Expected results
C. albicans ATCC 10231	3 – 5 days of incubation at 30 °C	$P_R \geq 70$ %
S. cerevisiae ATCC 20827		
A. brasiliensis ATCC 16404		
E. coli ATCC 35218		Inhibited

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. *SDA with Chloramphenicol*. Biokar Diagnostics. Retrieved from: https://www.solabia.com/biokar-diagnostics/product/sabouraud-chloramphenicol-agar/?documentation=1983&_wpnonce=98388412bb