

BacterLab Division



Issue date: 02/01/2025

Version: 01.2025

SURFACE SAMPLE COLLECTION MEDIUM

BacterContact™ Tryptic Soy Agar with Lecithin and Tween 80



Ready-to-use medium on 60mm plates for isolating microorganisms from surfaces disinfected with quaternary ammonium compounds

Code: 12002



BacterContact™
Tryptic Soy Agar with Lecithin and Tween 80



1. INTENDED USE

BacterContact™ Tryptic Soy Agar with Lecithin and Tween 80 for isolating microorganisms from surfaces disinfected with quaternary ammonium compounds.

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

2. PRINCIPLES

BacterContact™ Tryptic Soy Agar with Lecithin and Tween 80: Pancreatic Digest of Casein is a type of peptide consisting of amino acids extracted from milk protein, which facilitates bacterial growth; Peptic Digest of Soybean Meal is a peptide extracted from soybeans, providing nutrients and growth factors; Sodium Chloride creates a salt environment to maintain the pH balance inside and outside the bacteria. Lecithin and Tween 80 can inactivate certain preservatives (substances that inhibit microorganism growth). Tryptic Soy Agar supplemented with Lecithin and Tween 80 is used to determine surface sterility.

3. TYPICAL COMPOSITION

For 1 liter of medium

Pancreatic Digest of Casein	15,0 g
Peptic Digest of Soybean Meal	5,0 g
Sodium Chloride	5,0 g
Lecithin	0,7 g
Tween 80	5,0 g
Agar	15,0 g

pH of the ready-to-use media at 25 °C: $7,3 \pm 0,2$

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 under the following conditions
30 – 35 °C for 72 ± 6 hours (NF EN ISO 21149, NF EN ISO 18415)

20 – 25 °C for 3 to 5 days for Total Microbial Count (Pharmacopoeia)

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
<i>P. aeruginosa</i> ATCC 9027	48 – 72 hours of incubation at 30 – 35°C	$P_R \geq 70 \%$
<i>S. aureus</i> ATCC 25923		
<i>C. albicans</i> ATCC 10231	3 – 5 days of incubation at 30 – 35°C	$P_R \geq 50 \%$
<i>A. brasiliensis</i> ATCC 16404		

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

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