

BacterLab Division



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## **SURFACE SAMPLE COLLECTION MEDIUM**

### **BacterContact™ Pro Chocolate + LTH**

**BacterContact™ Pro**  
**Chocolate + LTH**

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

**Code: 12022**



## 1. INTENDED USE

**BacterContact™Pro Chocolate + LTH** is a culture medium for growing fastidious bacteria, used for surface microbiological sampling, supplemented with neutralizing agents to inactivate surface disinfectants.

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

## 2. PRINCIPLES

**BacterContact™Pro Chocolate + LTH:** This culture medium is suitable for the growth of fastidious bacteria such as *Neisseria gonorrhoeae*, *Neisseria meningitidis*, and *Haemophilus spp.* It is used for isolating infectious agents from cerebrospinal fluid or other sterile specimens. The lysis of red blood cells gives the medium a brown color and releases factor X (hemin) and factor V (nicotinamide adenine dinucleotide, NAD), which are essential for the growth of *Neisseria gonorrhoeae*, *Neisseria meningitidis*, and *Haemophilus spp.* Lecithin (L), Tween 80 (T), and Histidine (H) act as neutralizers for residual disinfectant chemicals.

## 3. TYPICAL COMPOSITION

*For 1 liter of medium*

Special Peptone	23,0 g
Starch	0,1 g
Sodium Chloride	5,0 g
Agar	15,0 g
Horse Blood	50 – 70 mL
Polysorbate (Tween) 80	5,0 mL
Lecithin	0,7 g
Histidine	0,5 g

***pH of the ready-to-use media at 25 °C: 7,3 ± 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.
- 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, typically after 72 hours, 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>H. influenza</i> ATCC 33533	24 hours of incubation at 35 – 37 °C	P <sub>R</sub> ≥ 70 %
<i>N. meningitidis</i> ATCC 13090		

## 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: 09 months from the manufacturing date.

## 11. BIBLIOGRAPHY

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