BacterLab Division

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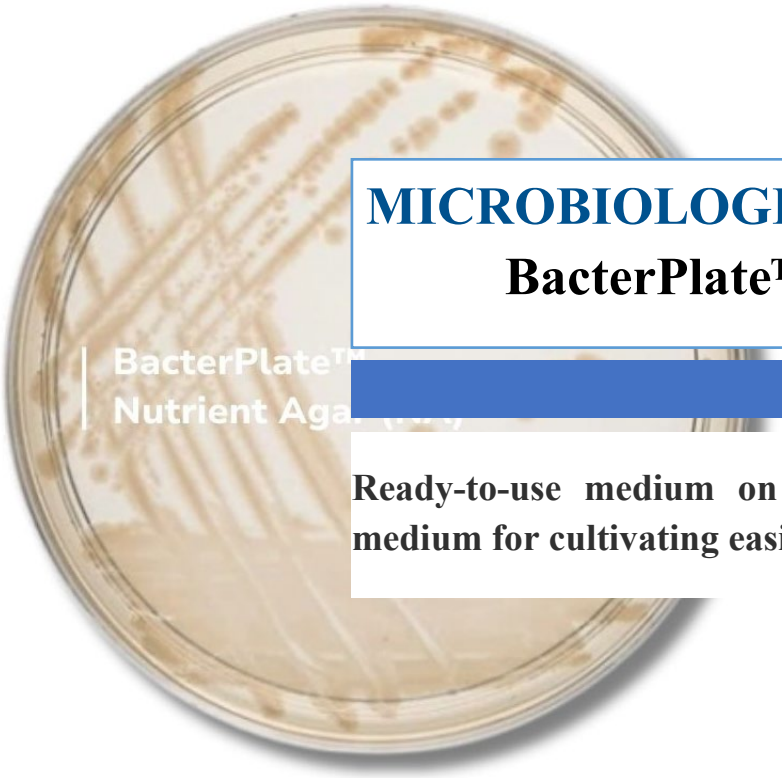

MICROBIOLOGICAL CULTURE MEDIUM

BacterPlate™ Nutrient Agar (NA)

Ready-to-use medium on 90mm plates is a basic nutrient-rich medium for cultivating easily cultured bacteria.

Code: 05023

1. INTENDED USE

BacterPlate™ Nutrient Agar (NA) is used in food microbiology, in water testing and in animal health for the culture of a wide variety of microorganisms. It is used for colony purification, a critical step in the protocols of identification in many standards. It is suitable for the culture of bacteria that have no particular nutritional requirements.

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

2. PRINCIPLES

Relatively simple, the formula supplies the nutritive elements required for the growth of a wide variety of nonfastidious microorganisms.

3. TYPICAL COMPOSITION

For 1 liter of medium

Tryptone	5,0 g
Meat Extract	3,0 g
Agar	12,0 g

pH of the ready-to-use medium at 25°C: 7,0 ± 0,2

4. PREPARATION

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

5. INSTRUCTIONS FOR USE

- Inoculate by streaking in order to obtain isolated colonies.
- Incubate the plates and follow the appropriate analytical protocol.

6. QUALITY CONTROL

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

Reference Strains	Incubation Conditions	Expected results
E. coli ATCC 35218	35 – 37^{0}C for 24 hours	Good growth
S. Typhimurium ATCC 14028		Good growth
S. sonrei ATCC 9290		Good growth

7. STORAGE AND TRANSPORT CONDITIONS

- Storage: 2 – 8°C.
- Transportation: Ambient temperature.

8. PACKAGING

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

9. SHELF LIFE

- Expiration Date: 3 months from the manufacturing date.

10. BIBLIOGRAPHY

- NF EN ISO 21567. Mars 2005. Microbiologie des aliments. Méthode horizontale pour la recherche de Shigella spp.
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- FD T90-461. Août 2016. Qualité de l'eau - Microbiologie - Contrôle qualité des milieux de culture.
- NF EN ISO 6579-1. Avril 2017. Microbiologie de la chaîne alimentaire - Méthode horizontale pour la recherche, le dénombrement et le sérotypage des Salmonella - Partie 1 : recherche des Salmonella spp.
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- Solabia Group. Nutrient Agar. Biokar Diagnostics. Available at: https://www.solabia.com/biokar-diagnostics/product/nutrient-agar-2/?documentation=1762&_wpnonce=66fae9dbeb