

BacterLab Division



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MICROBIOLOGICAL CULTURE MEDIUM

BacterPlate™ Pylori Agar

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Pylori Agar

Ready-to-use medium on 90mm plates for culturing and screening *Helicobacter pylori* in gastric biopsy samples.

Code: 05058



1. INTENDED USE

BacterPlate™ Pylori Agar is a culture medium designed to screen for *Helicobacter pylori* in gastric biopsy samples.

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

2. PRINCIPLES

Present in small quantity, the nutritive elements permit the development of stressed microorganisms. The combination of mineral salts maintains the osmotic balance. The presence of sodium pyruvate activates the bacterial metabolism.

3. TYPICAL COMPOSITION

For 1 liter of medium

Brain infusion solid	12,5 g
Beef heart infusion solids	5,0 g
Proteose peptone	10,0 g
Starch	2,0 g
Glucose	2,0 g
Sodium Chloride	5,0 g
Disodium phosphate	2,5 g
Agar	10,0 g
Defibrinized horse blood	50 – 100 mL
Helicobacter Pylori Selective Supplement	2 vial
Vitox	2 vial

pH of the ready-to-use medium at 25°C: 7,4 ± 0,2

4. PREPARATION

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

5. INSTRUCTIONS FOR USE

- Allow the agar plates to reach room temperature. Dry the plates in an incubator by slightly opening the lid.
- Streak samples onto the plates
- Incubate under microaerobic conditions at 35 – 37°C for 4 – 7 days.

6. RESULTS

After incubation, observe the bacterial colonies growing on the surface of the plate.

Helicobacter Pylori: Good growth, small, colorless colonies

7. QUALITY CONTROL

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

Reference strains	Incubation conditions	Expected results
<i>H. pylori</i> ATCC 43504	4 – 7 days at 35 – 37 °C,	Good growth, small,

	microaerobic	colorless colonies
<i>E. coli</i> ATCC 35218	35 – 37 °C, 24 hrs, O ₂	No growth
<i>C. albican</i> ATCC 10231	20 – 30°C, 72 hrs	No growth

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: 03 months from the manufacturing date.