

BAIRD PARKER AGAR BASE

Selective basal medium for *Staphylococcus aureus* isolation according to European Pharmacopoeia.

TYPICAL FORMULA (g/L)

Pancreatic digest of gelatin	10.0
Meat Extract	5.0
Yeast Extract	1.0
Lithium Chloride	5.0
Sodium Pyruvate	10.0
Glycine	12.0
Agar	17.0
Final pH = 6.8 ± 0.2 at 25°C.	

DESCRIPTION

BAIRD PARKER AGAR BASE is a selective basal medium for isolating coagulase-positive staphylococci, formulated according to European Pharmacopoeia.

PREPARATION

Suspend 60.0 g of powder in 1 litre of distilled or deionized water. Heat until completely dissolved. Sterilize in the autoclave at 121 °C for 15 minutes. Cool down to 45-50 °C and aseptically add 50 ml of Egg Yolk Tellurite Emulsion (potassium tellurite 2 mg / ml) (codes 80121-80122). Dispense in final containers and allow to solidify.

Final medium will contain 2 g of potassium tellurite per litre of medium.

TECHNIQUE

1. Prepare the sample suspension and further decimal dilutions with Maximum Recovery Broth (codes 610077-620077). Transfer by means of a sterile pipette 0.1 ml of the test sample if liquid or of the initial suspension in the case of other products, to each of two agar plates.
2. Repeat the procedure for further decimal dilutions if necessary.
3. Spread the inoculum onto the surface of the agar plate and allow to dry.
4. Invert the plates and incubate at 36 ± 1 °C for 24-48 hours.

INTERPRETATION OF RESULTS

Typical *S. aureus* colonies are black or gray, shining and convex, surrounded by a zone of clearing of the medium. After 24 hours incubation an opalescent ring immediately in contact with the colonies may appear in this clear zone.

BAIRD PARKER AGAR BASE is selective for coagulase-positive staphylococci but other bacteria may grow. Microscopical examination and biochemical tests will differentiate coagulase-positive staphylococci from other microorganisms.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

Store prepared media at 2-8°C.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. It is nevertheless recommended that the Safety Data Sheet be consulted on its correct use.

The product must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

REFERENCES

1. Baird Parker, A.C.. (1962). An. J. Appl. Bacteriol. **25**:12-19.
2. Baird Parker. A.C. (1969) Isolation methods for microbiologists. Shapthorn., & Gould ed. London: Academic Press.
3. European Pharmacopoeia, 3rd ed. 2001 Supplement.
4. FDA (1995) Bacteriological Analytical Manual, 8th ed. Revision A, 1998. Published by AOAC International.
5. U.S. Pharmacopoeia 24, NF 19 (2000).



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PRODUCT SPECIFICATIONS

NAME
BAIRD PARKER AGAR BASE

PRESENTATION
Dehydrated culture medium

STORAGE
10-30°C

PACKAGING

Code	Content	Packaging
610004	500 g	500 g of powder in plastic bottle

pH OF THE MEDIUM
6.8 ± 0.2

USE
BAIRD PARKER AGAR BASE is a selective basal medium for isolating coagulase-positive staphylococci, formulated according to European Pharmacopoeia.

TECHNIQUE
Refer to technical sheet of the product.







APPEARANCE of the MEDIUM
Dehydrated medium
Appearance: free-flowing, homogeneous.
Colour: light-tan.
Prepared medium
Appearance: opalescent.
Colour: yellow.

SHELF LIFE
4 years

- QUALITY CONTROL**
- Control of general characteristics, label and print
 - Sterility control
7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
 - Microbiological control
Inoculum for productivity: 10-100 UFC/ml
Inoculum for selectivity: 10⁴-10⁵ UFC/ml
Inoculum for specificity: ≤ 10⁴ UFC/ml
Incubation conditions: 24 hours at 36 ± 1°C, in aerobiosis

Microorganism	ATCC	Growth	Characteristics	Lecithinase halo
<i>Bacillus subtilis</i>	6633	poor to fair	brown colonies	-
<i>Proteus mirabilis</i>	25933	good	brown colonies	-
<i>Staphylococcus aureus</i>	25923	good	black colonies	+
<i>Staphylococcus epidermidis</i>	14990	poor to good	black colonies	-

TABLE OF SYMBOLS

LOT Batch code	 Temperature limitation	 Manufacturer	 Contains sufficient for <n> tests
REF Catalogue number	 Keep away from heat	 Use by	 Caution, consult accompanying documents



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