

BAIRD PARKER AGAR BASE pH 6.8Powdered medium base (pH 6.8) for the detection of *S.aureus***TYPICAL FORMULA (G/L)**

Pancreatic Digest of Casein	10.00
Beef Extract	5.00
Yeast Extract	1.00
Sodium Pyruvate	10.00
Glycine	12.00
Lithium Chloride	5.00
Agar	15.00

DIRECTIONS

Suspend 58 g in 1000 ml of cold distilled water; heat to boiling and autoclave at 121°C for 15 minutes. Cool to about 50°C and, using aseptic conditions, add 50 ml of Egg Yolk Tellurite Emulsion; mix well and pour into sterile Petri dishes.

Final pH 6.8 ± 0.2

DESCRIPTION

Baird Parker Agar Base pH 6.8 is a selective and diagnostic medium recommended by USP and EP for the isolation of *S.aureus* in non-sterile pharmaceutical products. Lithium chloride and potassium tellurite inhibit contaminating flora, glycine and sodium pyruvate facilitate the development of staphylococci. Some yeasts, fungi and bacilli also grow, but these are easily distinguishable by their morphology and by the grey colour of the colonies.

TECHNIQUE

Prepare the sample suspension according to general methods described in the quoted literature. Inoculate 100 ml of Tryptic Soy Broth with 10 ml of test sample or the quantity corresponding to 1 g or 1 ml. Incubate at 35-37°C for 18-48 hours. Subculture on a plate of Baird Barker Egg Yolk Tellurite Medium and incubate at 35-37°C for 18-72 hours. Black colonies of gram positive cocci surrounded by a clear zone indicate the presence of *S.aureus*. Confirmation may be effected by suitable biochemical test such as the coagulase test.

USER QUALITY ASSURANCE (37°C-48 H)

S.aureus ATCC 6538: good growth, typical colonies

E.coli ATCC 6538: inhibited

P.aeruginosa ATCC 9027: inhibited

S.typhimurium: inhibited

STORAGE

Dehydrated medium: 10-30°C

User prepared plates: up to 24 hours at 2-8°C

REFERENCES

- Baird-Parker, A.C. (1962) J. Appl. Bact., **25**, 12-19.
- European Pharmacopoeia, 5.6
- U.S. Pharmacopoeia 24, NF 19 (2000)

PACKAGING**401116P2****Baird Parker Agar Base pH 6.8****500g (8,6 l)**