

Baird Parker Broth

Selective medium for Staphylococcus aureus isolation in foods.

Typical formula (G/L)

Tryptone.....10.0
 Beef extract5.0
 Yeast extract.....1.0
 Glycine12.0
 Sodium Pyruvate..10.0
 Lithium Chloride...5.0
 Final pH = 7.0± 0.2
 at 25°C

Directions:

Suspend 43.0 G of powder in 1 L 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. Aseptically add 50 mL of Egg Yolk Tellurite Emulsion (MB-E1863). Dispense into final containers.

Description

Baird Parker Broth is a selective medium for Staphylococcus aureus isolation in foods.

Quality control:

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light-tan.

Prepared medium

Appearance: opalescent

Color: yellow.

Incubation conditions: 36 ± 1°C / 48 hours.

Microorganism	ATCC	Growth	Characteristics
Escherichia coli	25922	inhibited	
Bacillus subtilis	6633	poor to fair	brown
Proteus mirabilis	25933	good	brown
Staphylococcus aureus	25923	good	black
Staphylococcus epidermidis	14990	poor to good	black

Storage

The powder is very hygroscopic: store the powder at room temperature, 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 2-6°C.

References

1. Baird Parker, A.C.. (1962). An. J. Appl. Bacteriol. 25:12-19.
2. Baird Parker. A.C. (1969) Isolation methods for microbiologists. Shapthon,. & Gould ed. London: Academic Press.
3. ISO 6888-1:1999. Part 1: Technique using Baird-Parker agar medium.

Packaging

Cat. No : MB-B2121
Baird parker Broth
500 g

GENTAUR