

BAIRD-PARKER AGAR BASE, ISO

A selective and differential medium for the isolation and enumeration of *Staphylococcus aureus* according to ISO 6888 and ISO 22718.

Dehydrated media	
Code number:	500 g: BPI20500, 5 kg: BPI25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **60 g** in 950 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **50 ml of Sterile Egg Yolk Tellurite Emulsion (EYT80050-20)**. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: BPI30100, 500 ml: BPI30500
Plated media:	55 mm: BPI50055, 90 mm: BPI50090
Colour of bottled media bases:	Yellowish, transparent
Colour of plated media:	Yellowish, homogeneous turbid
pH (25 °C):	7,1 – 7,3

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Casein peptone	10
Beef extract	5
Yeast extract	1
L-Glycine	12
Sodium pyruvate	10
Lithium chloride	5
Agar	17

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 48 h
<i>Staphylococcus aureus</i>	ATCC 29213	Good, black colonies with double zones	
<i>Staphylococcus epidermidis</i>	ATCC 12228	Moderate, black colonies without zones	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	

References: ISO 6888-1:2012; ISO 22718:2016

In vitro diagnostic – for professional use only!