Baird-Parker-Agar (BPA)

Shorthand symbol:	BPA
Item number:	40-1104
Format:	Petri Dish, 90mm
Colour:	Beige, opaque
Storage conditions:	Dry, in closed bag at 4 – 10°C.
Shelf-life:	3 Months
pH:	6.8 ± 0.2 at 25°C

Intented use and fields of application

Baird-Parker-Agar is designed for the isolation and differentiation of Staphylococcus aureus in food (§ 64 LFGB) and pharmaceutical products.

Typical composition in g/l

in g per 1l Medium	
Casein peptone, pancreatically digested	10
Meat extract	5
Yeast extract	1
Lithium chloride	5
Glycine	12
Sodium pyruvate	10
Egg yolk (in ml)	10
Sodium chloride solution (in ml)	40
Potassium tellurite	0.01
Agar	12

*Adjusted as required to meet performance standards

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Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements of ISO 11133:2014.

Productivity
Incubation conditions: 24±2 to 48±2 hours at 37±1°C; Inoculum concentration: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Staphylococcus aureus	ATCC 25923/WDCM 00034	50–130 %	Black or grey colonies with clearing zone (egg yolk hydrolysis reaction)

Selectivity
Incubation conditions: 48±2 hours at 37±1°C; Inoculum concentration: 10.000–1.000.000 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 8739/WDCM 00012	Complete inhibition	-

Specificity
Incubation conditions: 24±2 to 48±2 hours at 37±1 °C; Inoculum concentration: 1.000–10.000 CFU

Organism	Type Strain	Specification	Colony morphology
Staphylococcus saprophyticus	ATCC 15305/WDCM 00159	Good growth	Black or grey colonies without clearing zone (egg yolk hydrolysis reaction)
Staphylococcus Epidermidis	ATCC 12228/WDCM 00036	Good growth	Black or grey colonies without clearing zone (egg yolk hydrolysis reaction)

Mikrobial Contamination
Incubation conditions: 5–7 days, 20–25°C and 5–7 days, 30–35°C

Specification
No microbial contamination

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