BAIRD PARKER / SABOURAUD CAF

Selective media for *Staphylococcus aureus* and fungi isolation.

BAIRD PARKER TYPICAL FORMULA (g/L)			SABOURAUD CAF TYPICAL FORMULA (g/ L)	
Tryptone	10.0		Peptomycol	10.0
Meat Extract	5.0		Glucose	40.0
Yeast Extract	1.0		Chloramphenicol	0.5
Glycine	12.0		Agar	15.0
Sodium Pyruvate	10.0			
Lithium Chloride	5.0			
Egg Yolk Tellurite	50.0 mL			
Agar	17.0			
Final pH 7.2 ± 0.2			Final pH 5.6 ± 0.2	

DESCRIPTION

BAIRD PARKER AGAR is a selective medium for isolating coagulase-positive staphylococci from foods, according to ISO 6888-1:1999.
SABOURAUD CAF AGAR is a selective medium for yeasts and moulds isolation from clinical samples.

PRINCIPLE

Tryptone, meat extract, peptone and Peptomycol yield the medium highly nutritive providing organic nitrogen, amino acids and peptides with long chain.
In **BAIRD PARKER AGAR** yeast extract is a source of aminoacids and vitamins of group B while glycine and sodium pyruvate favour the growth of staphylococci. Lithium chloride and potassium tellurite inhibit contaminating flora. Egg yolk emulsion allows to put in evidence a clarifying zone around the colonies due to the activity of coagulase.
In **SABOURAUD CAF AGAR** the high glucose concentration and the acid pH make this medium selective for fungi: particularly the acid pH inhibits the bacterial growth, except the acidophilic ones. The presence of chloramphenicol inhibits the bacterial contamination.
Agar is the solidifying agent.

TECHNIQUE

Inoculate plates streaking the sample to test on the agar surface using a sterile loop. Incubate at 36+/-1°C for 24-48 and eventually prolong incubation for further 24-48 hours at 25-30°C.

INTERPRETATION OF RESULTS

On **BAIRD PARKER AGAR** *Staphylococcus aureus* produces black shiny colonies, surrounded by a clarifying halo of the medium. Some strains of streptococci, micrococci, corynebacteria and enterococci cultivate with black colonies but they do not clarify egg yolk, while some yeasts, fungi and bacilli cultivate with gray colonies without halo.
On **SABOURAUD CAF AGAR** yeasts and moulds produce white colonies.

STORAGE

2-8°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product is designed for *In vitro* diagnostic use and 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. ISO 6888-1:1999 Microbiology of food and animal feeding stuffs -- Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) -- Part 1: Technique using Baird-Parker agar medium.
2. FDA (1995) Bacteriological Analytical Manual, 8th ed. Revision A, 1998.
3. United States Pharmacopoeia 24,2000. Microbial Limit Tests, 1814:1818.
4. APHA (1963). Diagnostic procedures and reagents.
5. European Pharmacopoeia 4th ed. 2002.

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PRODUCT SPECIFICATIONS

NAME
BAIRD PARKER/ SABOURAUD CAF

PRESENTATION
Ready plates (90 mm) with two sectors.

STORAGE
2-8 °C

PACKAGE

Code	Content	Packaging
18390	20 plates	1. 5 plates in thermically soldered film 2. 4 x 5 plates in cardboard box
18390*	100 plates	1. 5 plates in thermically soldered film 2. 2 x 5 plates in plastic bag 3. 10 piles (2x5 plates) in cardboard box

USE
BAIRD PARKER AGAR is a selective medium for isolating coagulase-positive staphylococci from foods, according to ISO 6888-1:1999.
SABOURAUD CAF AGAR is a selective medium for yeasts and moulds isolation from clinical samples.

TECHNIQUE
Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM
BAIRD PARKER AGAR is a yellow opalescent medium.
SABOURAUD CAF AGAR is an amber medium, slightly opalescent.

SHELFLIFE
4 months

QUALITY CONTROL
1. Control of general characteristics, label and print
2. Sterility control
   7 days at 25 ± 1°C, in aerobiosis
   7 days at 36 ± 1°C, in aerobiosis
3. Microbiological control

Inoculum for productivity: 10-100 UFC/ml
Inoculum for selectivity: 10^4-10^5 UFC/ml
Inoculum for specificity: ≤ 10^4 UFC/ml
Incubation conditions: 36+/-1°C for 18-24 hours

Microorganisms		Growth on BAIRD PARKER AGAR	Growth on SABOURAUD CAF AGAR
Staphylococcus aureus	ATCC 25923	Good/ Black colonies/ Clarification halo	Inhibited
Escherichia coli	ATCC 25922	Inhibited	Inhibited
Staphylococcus epidermidis	ATCC 14990	Good/ Black colonies	-
Candida albicans	ATCC 10231	-	Good/ White colonies
Saccharomyces cerevisiae	ATCC 9763	-	Good/ White colonies

TABLE OF SYMBOLS

IVD *In Vitro* Diagnostic Medical Device	Do not reuse	Manufacturer	Contains sufficient for <n> tests	Temperature limitation
REF Catalogue number	Fragile, handle with care	Use by	Caution, consult accompanying documents	LOT Batch code

CE IVD

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