

## Sabouraud CAF Agar

Selective medium for the cultivation and isolation of pathogenic and nonpathogenic fungi.

### DESCRIPTION

Sabouraud CAF Agar is a selective medium used for the cultivation and isolation of fungi from clinical and nonclinical specimens.

### TYPICAL FORMULA

	(g/l)
Enzymatic Digest of Casein	5.0
Enzymatic Digest of Animal Tissue	5.0
Glucose	40.0
Chloramphenicol	0.5
Agar	15.0
Final pH 5.6 ± 0.2 at 25°C	

### METHOD PRINCIPLE

Enzymatic digests of casein and enzymatic digest of animal tissue provide nitrogen and vitamins for the growth of fungi. The high glucose concentration along with the acid pH make this medium particularly well suited for cultivating fungi. Chloramphenicol is a broad-spectrum antibiotic inhibitory to a wide range of Gram-negative and Gram-positive bacteria. Agar is the solidifying agent.

### PREPARATION

**Dehydrated medium** Suspend 65.5 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Sterilize in autoclave at 118°C for 15 minutes.

**Medium in bottles** Melt the content of the bottle in a water bath at 100°C (loosing the cap partially removed) until completely dissolved. Then screw the cap and check the homogeneity of the dissolved medium, if it is the case turning the bottle upside down. Cool at 45-50°C, mix well avoiding foam formation and aseptically distribute into final containers.

### TEST PROCEDURE

Inoculate either plates or slant tubes by streaking directly the sample onto the agar surface. Streak the specimen as soon as possible after it is received in the laboratory. Incubate aerobically at 30°C for 2-7 days.

### INTERPRETING RESULTS

Examine containers for fungal colonies exhibiting typical color and morphology. Biochemical tests and serological procedures should be performed to confirm findings.

Transfer of growth from slants to plated media may be required in order to obtain pure cultures of fungi.

### APPEARANCE

Dehydrated medium: free-flowing, homogeneous, light beige.

Prepared medium: slightly opalescent, amber.

### STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store bottles, tubes and prepared plates at 10-25°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

### SHELF LIFE

Dehydrated medium: 4 years.

Medium in bottles: 2 years.

Medium in tubes: 1 year.

Ready-to-use plates: 6 months.

Distribué par :

Z.A de Gesvrine - 4 rue Képler - B.P.4125  
44241 La Chapelle-sur-Erdre Cedex - France  
t. : +33 (0)2 40 93 53 53 | f. : +33 (0)2 40 93 41 00  
commercial@humeau.com



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**QUALITY CONTROL**

Plates are inoculated with the microbial strains indicated in the QC table.

Inoculum for productivity: 10-100 CFU/ml.

Inoculum for selectivity: 10<sup>4</sup>-10<sup>5</sup> CFU/ml.

Incubation conditions: aerobically at 30±2°C for 2-7 days.

**QC Table.**

Microorganism		Growth
<i>Aspergillus niger</i>	ATCC® 16404	Good
<i>Candida albicans</i>	ATCC® 10231	Good
<i>Saccharomyces cerevisiae</i>	ATCC® 9763	Good
<i>Trichophyton mentagrophytes</i>	ATCC® 9533	Good
<i>Escherichia coli</i>	ATCC® 8739	Inhibited

**WARNING AND PRECAUTIONS**

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended 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.

**BIBLIOGRAPHY**

1. Sabouraud. 1892. Ann. Dermatol. Syphil. 3:1061.
2. Larone. 1995. Medically important fungi: a guide to identification, 3rd ed. American Society for Microbiology, Washington, D.C.
3. Wehr and Frank (ed.). 2004. Standard methods for the examination of dairy products, 17<sup>th</sup> ed. American Public Health Association, Washington, D.C.

PRESENTATION		Contents	Ref.
Sabouraud CAF Agar	90 mm ready-to-use plates	20 plates	11035
Sabouraud CAF Agar	90 mm ready-to-use plates	100 plates	11035*
Sabouraud CAF Agar	140 mm ready-to-use plates	10 plates	10242
Sabouraud CAF Agar	Slant tubes	10 x 10 ml tubes	30023
Sabouraud CAF Agar	Slant tubes	20 x 10 ml tubes	31023
Sabouraud CAF Agar	Bottles	6 x 200 ml bottles	412370
Sabouraud CAF Agar	Bottles	6 x 100 ml bottles	402370
Sabouraud CAF Agar	Dehydrated medium	500 g of powder	610203
Sabouraud CAF Agar	Dehydrated medium	100 g of powder	620203
Sabouraud CAF Agar	Dehydrated medium	5 kg of powder	6102035

**TABLE OF SYMBOLS**

<b>LOT</b> Batch code	<b>IVD</b> <i>In vitro</i> Diagnostic Medical Device	 Manufacturer	 Use by	 Fragile, handle with care	 Keep away from sunlight
<b>REF</b> Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Caution, consult Instruction For Use	 Do not reuse	

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