



Specification

Solid culture medium for the isolation of fungi.

Formula * in g/L

Casein peptone.....	5,0
Meat peptone.....	5,0
D(+)-Glucose.....	40,0
Chloramphenicol.....	0,5
Agar.....	15,0

Final pH 5.6 ±0,2 at 25 °C

* Adjusted and /or supplemented as required to meet performance criteria

Directions

Suspend 65,5 g of powder in 1 L of distilled water and bring to the boil. Distribute into final containers and sterilize in the autoclave at 121°C for 15 minutes. **Do not overheat or reheat** the medium since it will affect it's solidification.

Description

This culture medium differs from the classical Sabouraud Agar only by the addition of chloramphenicol. This thermostable antibiotic has a broad antibacterial spectrum which ensures the selective isolation of fungi from highly contaminated samples, such as exudates, faeces, nails and hair.

Quality control

Incubation temperature: 20-25°C

Incubation time: 48 h -5 days

Inoculum: Practical range 100±20 CFU. Min. 50 CFU (Productivity) / 10⁴-10⁶ CFU (Selectivity) according to ISO 11133:2014/Amd 1:2018 .

Microorganism

Growth

Remarks

<i>Bacillus subtilis</i> ATCC® 6633	Inhibited	Selectivity
<i>Escherichia coli</i> ATCC® 8739	Inhibited	Selectivity
<i>Aspergillus brasiliensis</i> ATCC® 16404	Productivity > 0.50	Growth and black sporulation
<i>Saccharomyces cerevisiae</i> ATCC® 9763	Productivity > 0.50	-
<i>Candida albicans</i> ATCC® 10231	Productivity > 0.50	-

References

- AJELLO, L. (1957) Cultural Methods for Human Pathogenic Fungi J. Chron. Dis. 5:545-551.
- GEORGE, L.K., AJELLO, L. & PAPAGEORGE, C. (1954) Use of Cycloheximide in the Selective Isolation of Fungi Pathogenic to Man. J. Lab. Clin. Med, 44 (422-428).
- ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- PAGANO, J. LEVIN, J.D. & TREJO, W. (1957-58) Diagnostic Medium for Differentiation of Species of Candida. Antibiotics Annual, 137-143.
- SABOURAUD, R. (1910) Les Teignes. Masson, Paris.

Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4 °C to 30 °C).