

MYCOSEL AGAR

Selective medium for isolation of pathogenic fungi.

TYPICAL FORMULA (g/l)

Soy peptone	10.0
Glucose	10.0
Chloramphenicol	0.05
Cycloheximide	0.40
Agar	15.0
Final pH 7.0 ± 0.2	

DESCRIPTION

MYCOSEL AGAR is a selective medium for for isolation of pathogenic fungi from specimens with mixed flora.

PRINCIPLE

Soy peptone and glucose support good growth of both bacteria and fungi. The incorporation of two antibiotics, chloramphenicol and cycloheximide, makes the medium selective: the chloramphenicol inhibits bacterial growth while cycloheximide inhibits the growth of saprophytic fungi.

TECHNIQUE

Streak the sample to examine onto the entire surface using a sterile loop. Incubate the plates at 25+/-2°C for 7 days.

INTERPRETATION of RESULTS

After sufficient incubation, the plates should show isolated colonies in streaked areas and confluent growth in areas of heavy inoculation. Examine plates for fungal colonies exhibiting typical color and morphology.

STORAGE

10-25°C away from light, until the expiry date on the label. Eliminate if 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 must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

- Stein, R.J.(1973)- Handbook of Phycological Methods, Cambridge:University Press.
- Booth, C. (1971) Methods in microbiology, Vol. 4, London: Accademy press.



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PRODUCT SPECIFICATIONS

NAME
MYCOSEL AGAR

PRESENTATION
Ready-to-use plates (60 mm) containing 12 ± 1 ml of medium.

STORAGE
10-25°C

Code	Content	Packaging
163412	20 plates	<ul style="list-style-type: none"> 5 plates in thermally soldered film 4 x 5 plates in cardboard boxes

pH OF THE MEDIUM
 7.0 ± 0.2

USE
MYCOSEL AGAR is a selective medium for for isolation of pathogenic fungi from specimens with mixed flora.

TECHNIQUE
Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM
Amber medium, slightly opalescent.

SHELF LIFE
6 months.

- QUALITY CONTROL**
- Control of general characteristics, label and print
 - Sterility control
 - 7 days at $25 \pm 1^\circ\text{C}$, in aerobiosis
 - 7 days at $36 \pm 1^\circ\text{C}$, in aerobiosis
 - Microbiological control
 - Inoculum for productivity: 10-100 UFC/ml
 - Inoculum for selectivity: 10^4 - 10^5 UFC/ml
 - Inoculum for specificity: $\leq 10^4$ UFC/ml
 - Incubation Conditions: 18-48 h at $30 \pm 2^\circ\text{C}$, in aerobiosis

Microorganisms		Growth
<i>Candida albicans</i>	ATCC 10231	Good
<i>Aspergillus niger</i>	ATCC 16404	Inhibited
<i>Escherichia coli</i>	ATCC 25922	Inhibited

TABLE OF SYMBOLS

LOT Batch code	Caution, consult accompanying documents	Manufacturer	Contains sufficient for <n> tests
REF Catalogue number	Temperature limitation	Use by	



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