Scedosporium Selective Agar

Selective medium for the cultivation of filamentous fungi.

Instructions For Use
ENGLISH

DESCRIPTION

Scedosporium Selective Agar is a culture medium used for the selective isolation of *Scedosporium* species and *Lomentospora prolificans* from clinical specimens.

Scedosporium species and *Lomentospora prolificans* are the filamentous fungi isolated more frequently from the cystic fibrosis (CF) lower airways, after *Aspergillus fumigatus*. As *A. fumigatus*, Scedosporium/Lomentospora species contribute to the progression of pulmonary deterioration of CF patients and are responsible for opportunistic infections in immunocompromised patients as well as in healthy subjects.

TYPICAL FORMULA*	(g/litre)
Malt Extract	6.25
Maltose	6.25
Monopotassium Phosphate	1.25
Yeast Extract	1.0
Magnesium Sulfate eptahydrate	6.25
Soy Peptone	0.625
Chloramphenicol	0.01
Ciprofloxacin	0.01
Streptomycin Sulfate	0.01
Dichloran	0.002
Benomyl	0.006
Agar	20.0

Final pH 5.6 ± 0.2 at 25°C

*Formula may be adjusted and/or supplemented as required to meet performance specifications.

METHOD PRINCIPLE

Malt extract, maltose and soy peptone provide amino acids, carbon, nitrogen, vitamins and minerals for organisms growth. Yeast extract is a source of vitamins, particularly of group B. Monopotassium phosphate is a buffering agent. Magnesium sulfate provides divalent cations and sulfur. Chloramphenicol, ciprofloxacin and streptomycin inhibit the growth of accompanying bacterial flora. Dichloran and benomyl are antifungal agents incorporated into the medium to reduce colony diameters of spreading fungi. Inhibition of bacterial growth and restriction of spreading of more-rapidly growing moulds aids in the isolation of slow-growing fungi. Agar is the solidifying agent.

TEST PROCEDURE

Inoculate by streaking the specimen onto the surface of the agar. Incubate plates aerobically at 35 ± 2°C for 5-7 days and up to 15 days.

INTERPRETING RESULTS

Observe for fungal growth at regular intervals during the incubation period. First inspection after 2 days of incubation.

STORAGE

Store at 2-8°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.

Avoid quick temperature shifts of plated medium to prevent condensation.

SHELF LIFE

6 months.

QUALITY CONTROL

Appearance of Prepared Medium: Slightly opalescent, amber.

Expected Cultural Response:

Control strain		Inoculum	Incubation	Specification
Scedosporium apiospermum	CBS 987.73	≤ 100 CFU	Up to 7 days/ 35 ± 2°C	Good growth
Scedosporium prolificans	CBS 100390			
Aspergillus fumigatus	ATCC 204305	10^4-10^6 CFU		Inhibition
Escherichia coli	ATCC 8739			

Please refer to the actual batch related Certificate of Analysis (CoA).

WARNING AND PRECAUTIONS

For *in vitro* diagnostic use. **For professional use only**. Operators must be trained and have certain experience in the laboratory methods. Please read the instructions carefully before using this product. Reliability of assay results cannot be guaranteed if there are any deviations from the instructions in this document.

Consult the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

DISPOSAL OF WASTE

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

BIBLIOGRAPHY

See the references at the end of this document.

TABLE OF SYMBOLS

See the table of symbols at the end of this document.

The product is available in the configurations listed below. There may be additional product ref. numbers as well. For an updated listing of available products, visit **liofilchem.com**

Product	Format	Packaging	Ref.
Scedosporium Selective Agar	90 mm Plate	20 plates	10425

This IFU document and the SDS are available from the online Support Center:

liofilchem.com/ifu-sds

BIBLIOGRAPHY

1. Cariani L et al. Scedosporium species and Lomentospora prolificans in Italian cystic fibrosis patients: prevalence and distribution in seven centers using a selective medium. Microbiologia Medica 2021; 36:9335.
2. EN ISO 11133:2014+Amd1:2018+Amd2:2020. Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.
3.

TABLE OF SYMBOLS

LOT	Batch code
REF	Catalogue number
IVD	*In Vitro* Diagnostic Medical Device
	Manufacturer
	Use by
	Fragile, handle with care
	Temperature limitation
Σ	Contains sufficient for <n> tests
	Consult Instruction For Use
	Do not reuse
	Keep away from heat

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CE IVD