

CM 20,006 - 6 MFA MEDIUM

INTENDED USE

For cultivation of *Aspergillus ochraceus*.

PRODUCT SUMMARY AND EXPLANATION

Aspergillus is a large genus of common contaminants, containing about 175 species. Quite a diversity of species has been implicated in human mycoses, although these fungi normally inhabit other ecological niches. *Aspergillus ochraceus* was implicated in a case of antromycosis in humans.

COMPOSITION

Ingredients	Gms / Ltr
Yeast extract	10.000
Potassium dihydrogen phosphate	1.000
Potassium chloride	0.500
Sodium nitrate	3.000
Magnesium sulphate	0.500
Ferrous sulphate	0.010
Zinc sulphate	0.001
Sodium potassium tartrate	0.010
Dextrose	40.000
Agar	15.000

PRINCIPLE

Yeast extract provides a source of trace elements, vitamins and amino acids. Dextrose is the source of carbohydrate. Monopotassium dihydrogen phosphate and sodium potassium tartarate buffers the media. Magnesium sulphate, ferrous sulphate and zinc sulphate are sources of divalent cations and other necessary ions. Agar is the solidifying agent.

INSTRUCTION FOR USE

Dissolve 70.00 grams in 1000 ml distilled water.
Heat to boiling to dissolve the medium completely.
Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
Mix well and pour in sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Light yellow to yellow coloured homogeneous free flowing powder.
Appearance of prepared medium : Yellow coloured clear to slightly opalescent gel forms in Petri plates.

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
---------------	------	-------------------	--------	----------	------------------------	-------------------



Aspergillus niger	16404	10-100	Good-luxuriant	>=50 %	25-30°C	24-48 Hours
Candida albicans	10231	10-100	Good-luxuriant	>=50 %	25-30°C	24-48 Hours
Saccharomyces cerevisiae	9763	10-100	Good-luxuriant	>=50 %	25-30°C	24-48 Hours

PACKAGING:

In pack size of 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

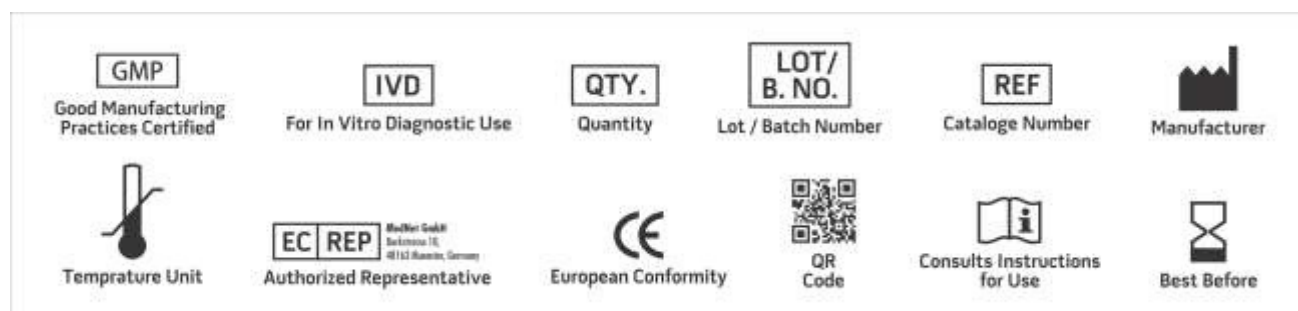
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

1. Pitt J.I., 1994. The current role of Aspergillus and Penicillium in human and animal health. J. Med. Vet. Mycol. 32 Suppl.1:17-32.
2. Bassiouny, A., Maher, A., Bucci, T. J., Moawad, M.K & Hendawy, D.S. 1982. Noninvasive antrromycosis (diagnosis and treatment) Laringol. Otol, 96:215-228.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

*For Lab Use Only

