

# Oatmeal Agar



Medium used for the isolation and cultivation of fungi, particularly for macrospore formation.

## • CONTENTS (Liter)

|                              |        |
|------------------------------|--------|
| Oatmeal                      | 60.0 g |
| Agar                         | 12.5 g |
| Final pH = 6.0 ± 0.2 at 25°C |        |

## • PROCEDURE

Suspend 72.5 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into petri dishes.

## • INTERPRETATION

Oatmeal Agar is a medium for the isolation and cultivation of fungi, particularly for macrospore formation. Oatmeal provides nutrients for the growth of microorganisms. Agar is the solidifying agent.

## • TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 30 ± 2°C for 18 - 72 hours. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, nonhomogenous, may be slightly lumpy

Color: beige

### Prepared medium

Appearance : opaque with nonhomogenous particles

Color: beige

Incubation conditions: 30 ± 2°C / 18 - 72 hours

| Microorganism                   | ATCC  | Inoculum CFU | Growth |
|---------------------------------|-------|--------------|--------|
| <i>Aspergillus brasiliensis</i> | 16404 | 50-100       | good   |
| <i>Candida albicans</i>         | 10231 | 50-100       | good   |

## • STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration are evident. Store prepared medium at 2 - 8°C.

## • REFERENCES

1. Koneman, Allen, Janda, Schreckenberger and Winn. 1997. Color atlas and textbook of diagnostic microbiology, 5th ed. Lippincott-Raven Publishers, Philadelphia, Pa.
2. Shirling E. B. and Gottlieb D., 1966, International J. of Systemic Bacteriol., Vol.16(3): 313

## • PACKAGE

|                                    |       |
|------------------------------------|-------|
| Cat. No : MB-O0882<br>Oatmeal Agar | 500 G |
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