

Corn Meal Agar

Corn meal agar for the isolation and differentiation of pathogenic fungi
For in vitro diagnostic use

Cat. Number: PD017

Polystyrene 90mm Petri dishes packaged in sleeves of 10 plates in a "breathable" cellulose bag that prevents build-up of condensation and excess moisture

Exp. Date: Printed on label and on the item

Required materials not supplied: Laboratory equipment as required.

Storage: 2-8° C

Physical parameters: Off white

Composition per 1 Liter

Corn Meal Infusion from (Solids) -2.0 g

Agar -15.0 g

Intended Use and Principle

Corn Meal Agar is used for stimulating the production of chlamydospores by most strains of *Candida albicans* and for cultivating phytopathological fungi.

Corn Meal Agar is valuable for morphologic differentiation of many yeast-like organisms. It suppresses vegetative growth of many fungi while stimulating sporulation. Corn Meal Agar allows *Candida albicans* to produce chlamydospores which is one of the best criterion for identification. Kelly and Funigello reported that the addition of 1% Tween 80 enhanced chlamydospore formation.

Instructions for use

1. Allow the medium in the plate to dry before use.
2. Observe aseptic techniques.
3. Test for chlamydospore production: Using fresh cultures, streak two parallel lines approximately 1.5 cm long each and 1.0 cm apart. Make an S-shape by lightly streaking back and forth across the two parallel streak lines. Place a coverslip over the streak marks.
4. Incubate at $25 \pm 2^{\circ}\text{C}$ for 4 days and examine microscopically.

Interpretation of Results

Microorganism	Growth	Chlamydospore Production
<i>Aspergillus brasiliensis</i>	Good	NA
<i>Candida albicans</i>	Good	Present

Waste Disposal

After interpretation all plates should be destroyed by standard incineration methods.