

MM0245

BIGGY-Nickerson Candida agar

Use and description:

The medium recommended for the isolation and differentiation of *Candida* spp. It contains bismut sulfite to inhibits wide range of bacteria, and the ability of its reduction helps the biochemical differentiation of *Candida* spp resulting brown pigmentattion int he medium.

Composition per liter:

Dextrose	10.0 g
Glycin	10.0 g
Agar	16.0 g
Yeast extract	1.0 g
Bismut ammonium citrate	5.0 g
Sodium sulfite	3.0 g

Final pH of the ready to use medium: 6.8±0.2 at 25.0 °C

Medium preparation:

Add 45 grams of dehydrated culture medium to 1 liter of distilled water. Mix thoroughly. Heat with frequent agitation and boil for 1 min to dissolve completely. Do not autoclave. Cool to 45-50 °C and pour into sterile petri dishes.

Quality specifications:

Dehydrated medium: homogeneous, light beige fine powder.

Ready to use medium: creamy colored agar, opalescent, hazy

Microbiological response after 48-72 hours at 35-37 °C:

Organism	Growth	Colony / Colour
<i>Candida albicans</i> ATCC10231	growth	Brown-black
<i>Candida tropicalis</i> T23102	growth	Brown-black
<i>E. coli</i> ATCC 25922	no growth	-

Storage:

Store the sealed bottle containing the dehydrated medium at 2 to 30.0 °C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original light beige color.