PRODUCT INFORMATION

Potato Dextrose Agar

Cat. No. P16-109

YOUR MEDIA IS OUR CULTURE

ALPHA BIOSCIENCES

Date of Issue:
10/01/17

DESCRIPTION

Potato Dextrose Agar is recommended for the general purpose cultivation and isolation of yeasts and molds from foods, dairy and cosmetics. The nutritionally rich base encourages mold sporulation and pigment production in some fungi. Lowering the pH to 3.5 ± 0.1 inhibits bacterial growth and aids in the isolation of fungi. Please note reheating the acidified medium will hydrolyze the agar.

Formula* per Liter:

Potato Infusion 4.0g
Dextrose 20.0g
Agar.....15.0g

Final pH: 5.6 ± 0.2 at 25°C

* *Grams per liter may be adjusted or formula supplemented to obtain desired performance.*

PREPARATION

Mix 39 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121.0°C for 15 minutes. If desired, the pH of the medium can be adjusted to 3.5 ± 0.1 prior to pouring plates by the addition of 14 mL of sterile 10% tartaric acid to sterile medium cooled to 45°-50.0°C. Avoid reheating medium after the addition of the tartaric acid solution.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige to beige.
2. Visually the prepared medium is clear to slightly hazy and pale to light yellow.
3. Expected cultural response after 2-5 days at 25°C.

Organism:	**Result:**
Aspergillus brasiliensis ATCC 16404	Growth, White cottony black spores
Candida albicans ATCC 10231	Growth, Off-white pasty colonies
Saccharomyces cerevisiae ATCC 9763	Growth, Off-white pasty colonies
Trychophyton mentagrophytes ATCC 9533	Growth, White cottony

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°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 color.

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