PRODUCT INFORMATION

DRBC Agar

Cat. No. D04-114

YOUR MEDIA IS OUR CULTURE

ALPHA BIOSCIENCES

Date of Issue:
4/16/20

DESCRIPTION

DRBC (Dichloran Rose Bengal Chloramphenicol) Agar is a selective agar medium used for the enumeration of yeasts and molds in food and dietary products. The antifungal agent Dichloran restricts growth of mucoraceous fungi and reduces colony size of other spreading fungi. Rose Bengal and Chloramphenicol serve as selective agents against bacteria, the former contributing to reduce colony size of fast-growing molds. Peptone supplies nitrogenous sources, while glucose (dextrose) is the fermentable carbohydrate. Agar is the solidifying agent.

Formula* per Liter:

Meat Peptone	7.0g
Dextrose	10.0g
Monopotassium Phosphate	1.0g
Magnesium Sulfate Anhydrous	0.5g
2,6 Dichloro-4-Nitroaniline	0.002g
Rose Bengal	0.025g
Chloramphenicol	0.1g
L-Tartaric Acid	0.1g
Agar	13.0g

Final pH: 5.6 ± 0.2 at 25°C

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

PREPARATION

Mix 31.6 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring until boiling to dissolve completely. Autoclave at 121°C for 15 minutes. Take caution not to expose the medium to light.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and beige to pinkish beige.
2. Visually the prepared medium is bright pink with trace to slight haze.
3. Expected cultural response after 4-7 days at 25-30°C.

Organism:	**Result:**
Aspergillus brasiliensis (f. A.niger) ATCC® 16404	Good Growth, with Suppressed Colony Size
Bacillus subtilis ATCC® 9372	Inhibited
Candida albicans ATCC® 10231	Good Growth
Escherichia coli ATCC® 25922	Inhibited
Penicillium roquefortii ATCC® 10110	Good Growth, with Suppressed Colony Size
Saccharomyces cerevisiae ATCC® 9763	Fair to Good Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at **2 to 8°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.

3651 Clipper Mill Rd. · Baltimore, MD 21211 · Phone (410) 467-9983 · Fax (410) 467-5088
www.alphabiosciences.com · info@alphabiosciences.com