

PRODUCT INFORMATION

DRBC Agar

Cat. No. D04-114

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 (g/L)

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

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 and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. Take caution not to expose the medium to light.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige with 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
<i>Aspergillus brasiliensis</i> ATCC 16404	Good Growth w/ suppressed colony size
<i>Bacillus subtilis</i> ATCC 9372	Inhibited
<i>Candida albicans</i> ATCC 10231	Good Growth
<i>Escherichia coli</i> ATCC 25922	Inhibited
<i>Penicillium roqueforti</i> ATCC 10110	Good Growth w/ suppressed colony size
<i>Saccharomyces cerevisiae</i> ATCC 9763	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.