PRODUCT INFORMATION

Brilliant Green Bile Agar
Cat. No. B02-122

YOUR MEDIA IS OUR CULTURE

ALPHA BIOSCIENCES

Date of Issue:
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DESCRIPTION

Brilliant Green Bile Agar is used for the detection, isolation and enumeration of coliform bacteria in water, food, and sewage. The APHA recommends the use of this medium as an indication of the extent of contamination. The selective agents in the medium are brilliant green and bile, which inhibit gram positive and most gram negative bacteria, except coliforms. Basic fuchsin and erioglaucine are pH indicators. Lactose-fermenting bacteria (*E.coli*) produce deep red colonies. Agar is the gellifying agent.

Formula* per Liter:

Pancreatic Digest of Gelatin	8.35g
Oxbile	2.95mg
Monopotassium Phosphate	15.3mg
Lactose	1.9g
Erioglaucine	64.9mg
Brilliant Green	29.5µg
Basic Fuchsin	77.6mg
Sodium Sulfite	25.0mg
Ferric Chloride	29.5mg
Agar	10.15g

Final pH: 6.9 ± 0.2 at 25°C

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

PREPARATION

Mix 20.6 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring until boiling to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. ****Medium must be protected from light and used the same day it is made**.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and light to medium purple in color.
2. Visually the prepared medium is trace to slightly haze, and blue in color.
3. Expected cultural response after 18-24 hours at 35°C:

Organism	Growth	Colony Morphology/ Reaction
Enterobacter aerogenes ATCC® 13048	Good Growth	Pink colonies
Escherichia coli ATCC® 25922	Good Growth	Red colonies
Salmonella typhimurium ATCC® 14028	Good Growth	Colorless to Light Pink colonies
Staphylococcus aureus ATCC® 25923	Partial to Complete Inhibition	Colorless colonies, or N/A

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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