

PRODUCT INFORMATION



Brilliant Green Agar Cat. No. B02-115

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DESCRIPTION

Brilliant Green Agar is a selective medium used for the isolation of *Salmonella* spp. Brilliant Green Agar was first described by Kristensen in 1925 and later modified by Kauffman in 1935. Brilliant Green inhibits gram-positive and most gram-negative bacteria while Phenol Red serves as a pH indicator, changing the color of the medium when fermentation of sugar occurs.

PREPARATION

Mix 58 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.

Formula* per Liter:

Proteose Peptone No. 3	10.0g
Yeast Extract	3.0g
Sucrose.....	10.0g
Lactose	10.0g
Brilliant Green.....	0.0125g
Sodium Chloride	5.0g
Phenol Red.....	0.08g
Agar	20.0g

Final pH: 6.9 ± 0.2 at 25°C

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

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and light beige with greenish tint.
2. Visually the prepared medium is brownish green and slightly opalescent.
3. Expected cultural response after 18-24 hours at 35°C.

Organism:

Escherichia coli ATCC 25922
Salmonella choleraesuis ATCC 13076
Salmonella typhi ATCC 19430
Salmonella typhimurium ATCC 14028
Staphylococcus aureus ATCC 25923

Result

Inhibition
Growth, Pink colonies
Inhibition
Growth, pink colonies
Inhibition

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.