

PRODUCT INFORMATION

Violet Red Bile Glucose Agar

Cat. No. V22-102



Date of Issue:
10/01/17

DESCRIPTION

Violet Red Bile Glucose Agar is used the detection and determination of all *Enterobacteriaceae* in food. The *Enterobacteriaceae* family includes lactose fermenting coliforms bacteria and non-lactose fermenting species like *Salmonella* and *Shigella*. Pancreatic Digest of Gelatin provides nitrogen, vitamins, minerals and amino acids essential for growth. Bacteriological agar is the solidifying agent.

PREPARATION

Mix 40.0 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. DO NOT AUTOCLAVE.

Formula* per Liter:

Pancreatic Digest of Gelatin	7.0g
Yeast Extract	3.0g
Dextrose.....	10.0g
Bile Salt #3.....	1.5g
Sodium Chloride	5.0g
Neutral Red.....	0.03g
Crystal Violet.....	0.002g
Agar	13.5g

Final pH: 7.4 ± 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 beige with pink tint.
2. Visually the prepared medium is trace to light haze and medium to dark reddish purple.
3. Expected cultural response after 18-24 hours at 35°C.

Organism	Growth	Reaction
<i>Escherichia coli</i> ATCC® 25922	Good	Reddish-Purple Colonies, Bile Precipitate
<i>Enterobacter aerogenes</i> ATCC® 13048	Good	Reddish-Purple Colonies, Bile Precipitate
<i>Salmonella typhimurium</i> ATCC® 14028	Good	Reddish-Purple Colonies, Bile Precipitate
<i>Staphylococcus aureus</i> ATCC® 25923	Growth Inhibited	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.