

## PRODUCT INFORMATION

Violet Red Bile Glucose Agar

Cat. No. V22-102

### 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.

### FORMULA (g/L)

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

Final pH: 7.4 ± 0.2 at 25 °C

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

### PREPARATION

Mix 40 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. DO NOT AUTOCLAVE.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, 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	RESULT
<i>Escherichia coli</i> ATCC 25922	Growth – Reddish-purple colonies, bile precipitate
<i>Escherichia coli</i> ATCC 8739	Growth – Reddish-purple colonies, bile precipitate
<i>Salmonella typhimurium</i> ATCC 14028	Growth – Reddish-purple colonies, bile precipitate
<i>Pseudomonas aeruginosa</i> ATCC 9027	Growth – Colorless, translucent colonies
<i>Enterococcus faecalis</i> ATCC 29212	Inhibited

## 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.