

PRODUCT INFORMATION

GN Broth

Cat. No. G07-101

DESCRIPTION

GN (Gram Negative) Broth was formulated by Hajna to improve the recovery of *Salmonella* and *Shigella* from clinical and non-clinical specimens. The addition of casein and meat peptones supply amino acids and other nitrogenous substances which support bacterial growth. Mannitol enhances the growth of *Salmonella* and *Shigella*. Sodium citrate and sodium deoxycholate are added to inhibit Gram-positive and some Gram-negative bacteria.

FORMULA (g/L)

Tryptone	20.0 g	Sodium Deoxycholate	0.5 g
Dextrose	1.0 g	Dipotassium Phosphate	4.0 g
D-Mannitol	2.0 g	Monopotassium Phosphate	1.5 g
Sodium Citrate	5.0 g	Sodium Chloride	5.0 g

Final pH: 7.0 ± 0.2 at 25 °C

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

PREPARATION

Mix 39 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.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light beige.
2. Visually the prepared medium is gold to light amber and clear.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Enterococcus faecalis</i> ATCC 29212	Inhibited
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Shigella flexneri</i> ATCC 12022	Good Growth
<i>Shigella sonnei</i> ATCC 25931	Good Growth
<i>Salmonella typhimurium</i> ATCC 14028	Good Growth

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.