

CM 22271 – GN BROTH, HAJNA

INTENDED USE

For theselectiveenrichment of Gram negative organisms of the enteric group from clinical & non clinical sample

PRODUCTSUMMARY AND EXPLANATION

GN BROTH, HAJNAis used forselective enrichment of gram-negative organisms of the enteric group. It was developed by Hajna for the recovery of Salmonella and Shigella from clinical and non-clinical specimens such as urine, blood clots, throat swabs, swabs from eating and drinking utensils etc.

COMPOSITION

Ingredients	Gms / Ltr
Casein enzymatic hydrolysate	10.00
Pancreatic digest of animal tissue	10.00
Sodium citrate	5.00
Sodium chloride	5.00
Dipotassium phosphate	4.00
Mannitol	2.00
Monopotassium phosphate	1.50
Dextrose	1.00
Sodium deoxycholate	0.50

PRINCIPLE

The Medium contains ingredients Casein enzymatic hydrolysate and Pancreatic digest of animal tissue which acts as sources of nitrogen, carbon and vitamins. Dextrose is the energy source. Sodium chloride maintains osmotic balance in the medium. The higher the concentration of Mannitol over Dextrose favors the growth of mannitol-fermenting Salmonella spp. and Shigella spp. over mannitol non-fermenting species, such as Proteus species. The Monopotassium Phosphate and Dipotassium Phosphate are buffering agents. Sodium Citrate and Sodium Deoxycholate inhibit growth of Gram-positive bacteria and coliforms.

INSTRUCTION FOR USE

Labelthereadytousebottle. Inoculate 50-100 cfu sample and Incubate at specified temperature and time.

QUALITY CONTROL SPECIFICATIONS

Appearance of Prepared media	: Light amber, clear to very slightly opalescent solution.
Sterility test	: Passes the release criteria.
pH (at 25°C)	: 7.0±0.2

INTERPRETATION

Cultural characteristics observed after incubation.



Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Escherichia coli	25922	50 – 100	Luxuriant	35-37°C	18-24 Hours
Salmonella typhimurium	14028	50 – 100	Luxuriant	35-37°C	18-24 Hours
Shigella flexneri	12022	50 – 100	Luxuriant	35-37°C	18-24 Hours
Enterococcus faecalis	29212	50 - 100	Luxuriant	35-37°C	18-24 Hours

PACKAGING:

Inpackageof100 ml X 25 bottles.

STORAGE









Onreceipt, store bottles in the dark at 10–25 °C. Avoid freezing and overheating. Do not open until ready to use. Minimize exposure to light. Bottled media stored as labeled until just prior to use may be inoculated up to the expiration date and incubated for the recommended incubation times. Allow the medium to warm to room temperature before inoculation

DISPOSAL

Afteruse,prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

1. Hajna, A. A. A new specimen preservative for gram-negative organisms of the intestinal group. Public Health Lab. 13:59-62. (1955).
2. Hajna, A. A. A new enrichment broth medium for gram-negative organisms of the intestinal group. Public Health Lab. 13:83-89. (1955).
3. Croft, C. C., and M. J. Miller. Isolation of Shigella from rectal swabs with Hajna “GN” broth. Am. J. Clin. Path. 26:411-417. (1956).
4. Taylor, W. I., and D. Schelhart. Isolation of shigellae, IV. Comparison of plating media with stools. Am. J. Clin. Path. 48:356-362. (1967).

 Good Manufacturing Practices Certified	 For In Vitro Diagnostic Use	 Quantity	 Lot / Batch Number	 Catalogue Number	 Manufacturer
 Temperature Unit	 Authorized Representative <small>MedNet GmbH Bockstrasse 10, 48163 Muenster, Germany</small>	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

*For LabUse Only

