



HEMOGLOBIN [2% SOLUTION]

- For in vitro use only -

Catalogue No. VH55

Our Hemoglobin Solution is a ready to use solution used to enrich a variety of mediums for the cultivation of fastidious organisms.

This product is most commonly used in conjunction with GC Agar base in the preparation of Chocolate Agar. Hemoglobin Solution contains X factor (hemin) which is an essential growth factor for some *Haemophilus* species and enhances the growth of other fastidious bacteria such as *Neisseria* species. More selective formulations of chocolate agar can be prepared by adding various antimicrobial solutions to inhibit the growth of unwanted organisms.

Hemoglobin Solution can also be incorporated into Mueller Hinton Agar base; the completed medium was once used for the susceptibility testing of fastidious organisms.

Ingredients per 500-mL Bottle

(Each Bottle prepares 1-L of finished media)

Hemoglobin (Bovine) 10.0 g

Recommended Method of Media Preparation

1. Warm Hemoglobin in a warm water bath until it is approximately 50°C. This is a requirement since the GC Agar may form agar bits if the hemoglobin is too cool.
2. Prepare 1-L of GC Agar Base. Mix and sterilize according to the manufacturer's instructions.
3. Cool the sterilized base to approximately 50°C.
4. Aseptically add 500 mL Hemoglobin Solution and one 10-mL vial of Isovitox Enrichment (Cat No. VI85-10 / LI85-10) to the sterilized base and incorporate thoroughly by gently swirling.
5. If desired, additional selective supplements can be added at this time.
6. Dispense the completed medium aseptically into sterile petri dishes or tubes as desired.

Quality Control

After checking for correct pH, color, depth, and sterility, the following organisms are used to determine the growth performance of the completed medium. The inoculated plates are incubated in a CO₂-enriched environment for 48 hours.

Organism	Expected Result
<i>Neisseria gonorrhoeae</i> ATCC 43069	Growth
<i>Neisseria meningitidis</i> ATCC 13090	Growth
<i>Haemophilus influenzae</i> ATCC 10211	Growth

Storage and Shelf Life

Our Hemoglobin Solution should be stored in the upright position at 4 to 8°C. At this temperature it has a shelf life of 52 weeks from the date of manufacture.

Ordering Information

Cat #	Description	Format
VH55-100	Hemoglobin Solution 2% [100-mL prepares 200-mL]	12/case
VH55-500	Hemoglobin Solution 2% [500-mL prepares 1-L]	12/case

References

1. McLeod JW, Wheatley B, Phelon HV. On some of the unexplained difficulties met with in the cultivating of gonococcus. Br J Exp Pathol 1927; 8:25.

