

## Vitamin K Hemin Enrichment (Liquids)

- For in vitro use only -



### Catalogue No.

VV30-100 Vitamin K Hemin Enrichment (Liquids) [100-mL]  
VV30-250 Vitamin K Hemin Enrichment (Liquids) [250-mL]

### Active Ingredients per 100-mL Bottle

Vitamin K<sub>1</sub> ..... 0.02-g  
Hemin..... 0.1-g

### Description

A stabilized solution of vitamin K and Hemin used as a growth enrichment for various anaerobic microorganisms to be used in solid culture mediums containing agar. Vitamin K has shown to enhance growth of many anaerobes including *Bacteroides* species and certain gram-positive nonsporeformers; Gibbons and MacDonald also reported the isolation of strains of *Prevotella melaninogenica* that required both hemin and vitamin K for growth.

### Procedure

For each liter (L) of liquid media prepared add 5-mL of the Vitamin K Hemin Enrichment prior to autoclaving.

### References

1. Dowell, V. R., Jr. and T. M. Hawkins. 1974. Laboratory Methods in Anaerobic Bacteriology. CDC Laboratory Manual. USDHEW C. D. C. Atlanta, GA 30333.
2. Dowell, V. R., Jr. and G. L. Lombard. 1977. Presumptive Identification of Anaerobic Non-sporeforming Gram-negative Bacilli. USDHEW, CDC. Atlanta, GA 30333.
3. Dowell, V. R., Jr., G. L. Lombard, F. S. Thompson and A. Y. Armfiedl. 1977. Media for the Isolation, Characterization, and Identification of Obligately Anaerobic Bacteria. USDHEW, CDC, Atlanta, GA 30333.
4. Holdeman, L. V., F. P. Cato and W. E. C. Moore. 1977. Anaerobe Laboratory Manual. Virginia Polytechnic Institute and State University. Blacksburg, VA 24061.
5. Jousimies-Somer, H. R., Summanen, P., Citron, D. M., Baron, E. J., Wexler, H. M. and S. M. Finegold. 2002. Wadsworth – KTL Anaerobic Bacteriology Manual. Star Publishing Co., Belmont, CA 94002

Original: March 2004 Updated: January 2010 Checked: January 2014