

Instructions For Use GVS-IFU		
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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

Gentian Violet Solution

Description: Gentian Violet Solution is the component of the Gram Stain Kit (McDonalds) that results in blue staining of the Gram Positive Bacteria. Gentian Violet is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Gram Positive Bacteria: Blue
 Gram Negative Bacteria: Red
 Other Tissue: Yellow
 Nuclei: Red

Uses/Limitations: For In-Vitro Diagnostic use only.
 Histological applications.
 Do not use past expiration date.
 Use caution when handling these reagents.

Control Tissue: Any well fixed paraffin embedded tissue section.

Availability:

<u>Item #</u>	<u>Description</u>	<u>Volume</u>	<u>Storage</u>
GVS125	Gentian Violet Solution	125 ml	Room Temperature
GVS500		500 ml	
GVS999		1000 ml	

Required But Not Included:


LIS125	Lugol's Iodine Solution	125 ml	Room Temperature
GDS125	Gram's Decolorizer Solution	125 ml	Room Temperature
CFZ125	Carbol Fuchsin Solution	125 ml	Room Temperature
TZQ125	Tartrazine Solution	125 ml	Room Temperature

Precautions: Keep away from open flame.
 Avoid contact with skin and eyes.
 Harmful if swallowed.
 Follow all Federal, State, and local regulations regarding disposal.
 Use in chemical fume hood whenever possible.

Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Flood slide with Gentian Violet Solution and incubate for 1 minute.
3. Rinse slide in distilled water to remove excess stain.

Storage: 18° C  25° C

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4. Flood slide with Lugol's Iodine Solution and incubate for 1 minute.
5. Rinse slide in running tap water to remove excess Iodine.
6. Place slide in Gram's Decolorizer until color no longer bleeds off section.
7. Rinse slide quickly in running tap water.
8. Flood slide with Carbol Fuchsin and incubate for 90 seconds.
9. Rinse slide quickly in running tap water to remove excess stain.
10. Apply Tartrazine Solution and incubate for 15 seconds.
11. Dehydrate slide quickly in 3 changes of absolute alcohol.
12. Clear in 2 changes of xylene or xylene substitute, and mount in synthetic resin.

References:

1. Sheehan, DC., Hrapchak, BB. Theory and Practice of Histotechnology; 1980, page 235.

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