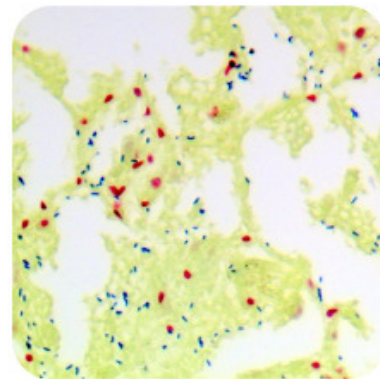


## Gram Stain Kit (Modified Brown & Brenn)

**Description:** The Gram Stain Kit (Modified Brown & Brenn) is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Gram Positive Bacteria: Blue  
 Gram Negative Bacteria: Red  
 Other Tissue: Slightly Yellow - Pink  
 Nuclei: Red

**Uses/Limitations:** Not to be taken internally.  
 For In-Vitro Diagnostic use only.  
 Histological applications.  
 Do not use if reagents become cloudy.  
 Do not use past expiration date.  
 Use caution when handling reagents.  
 Non-Sterile.




**Control Tissue:** Any well fixed tissue section.  
 Air dried smear.


**Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)**

**Kit Contents:**


<u>Item #</u>	<u>Product Name</u>	<u>Volume</u>	<u>Storage</u>
GVS030	Gentian Violet Solution	30 ml	18-25 °C
LIS030	Lugol's Iodine Solution	30 ml	18-25 °C
GDS030	Gram's Decolorizer Solution	30 ml x 2	18-25 °C
SOH030	Safranin O Solution	30 ml	18-25 °C
PAB030	Picric Acid - Acetone Solution (0.1%)	30 ml	18-25 °C

**Precautions:** Keep away from open flame.  
 Avoid contact with skin and eyes.  
 Harmful if swallowed.  
 Follow all Federal, State, and local regulations regarding disposal.

Storage: 18° C  25° C

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 205 South 600 West  
 Logan, UT 84321  
 U.S.A.

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 2513 BH Hague, The Netherlands

### Procedure (Standard):


1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Cover tissue section with Gentian Violet Solution and incubate for 2 minutes.
3. Rinse slide in distilled water to remove excess stain.
4. Cover tissue section with Lugol's Iodine Solution and incubate for 1 minute.
5. Rinse slide in running tap water to remove excess Iodine.
6. Dip 1 time in distilled water.
7. Apply Gram's Decolorizer dropwise until color no longer bleeds off section.
8. Rinse slide quickly in distilled water (2-5 seconds).
9. Cover tissue section with Safranin O Solution and incubate for 4 minutes.
10. Rinse slide quickly in distilled water to remove excess stain.
11. Dip once in absolute alcohol and blot dry.
12. Cover tissue section with Picric Acid - Acetone Solution (0.1%) and incubate with agitation for 2-10 seconds.
13. Dehydrate slide very quickly in 3 changes of absolute alcohol.
14. Clear in 2 changes of xylene or xylene substitute, and mount in synthetic resin.


### References:

1. Isenberg, H.H. Clinical Microbiology Procedures Handbook. American Society for Microbiology, 1992.
2. Sheehan, DC., Hrapchak, BB. Theory and Practice of Histotechnology; 1980, page 235.
3. Brown, J.H., Brenn, L. A method for the differential staining of gram-positive and gram-negative bacteria in tissue sections. Bulletin John Hopkins Hospital, 1931, Volume 48, pages 69-73.
4. Gram, C. Fostchr. Med., Volume 2, page 185, 1884.

### Bulk Reagent Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)


Description:	Catalog #	Volume
Gentian Violet Solution	GVS125	125 ml
	GVS500	500 ml
	GVS999	1000 ml
Lugol's Iodine Solution	LIS125	125 ml
	LIS500	500 ml
	LIS999	1000 ml
Gram's Decolorizer	GDS125	125 ml
	GDS500	500 ml
	GDS999	1000ml
Safranin O Solution	SOH125	125 ml
	SOH500	500 ml
	SOH999	1000 ml
Picric Acid – Acetone Solution (0.1%)	PAB125	125 ml
	PAB500	500 ml
	PAB999	1000 ml

 Storage: 18° C  25° C



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