

Gram Stain Kit (Modified Brown & Brenn)

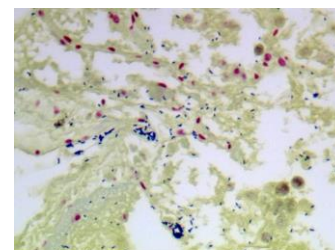
Description: The Gram Stain Kit (Modified Brown & Brenn) is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

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.

Results:

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



Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Stor</u>
SSC-GVS125	Gentian Violet Solution	125 ml	18-25°C
SSC-LIS125	Lugol's Iodine Solution	125 ml	18-25°C
SSC-GDS125	Gram's Decolorizer Solution	125 ml	18-25°C
SSC-SOH125	Safranin O Solution	125 ml	18-25°C
SSC-PAB125	Picric Acid - Acetone Solution (0.1%)	125 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.
- Use in chemical fume hood whenever possible.

For information regarding ordering individual components, please contact us at: 800-442-3573.

Control Slides Available. Catalog: CS-GRAM/25, Gram +/-, 25/pack

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 drop-wise or by repeated dips until color no longer bleeds off section.
8. Rinse slide quickly in distilled water.
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. Cover tissue section with Picric Acid - Acetone Solution (0.1%) and incubate with agitation for 5-10 seconds.
12. Dehydrate slide very quickly in 3 changes of absolute alcohol.
13. 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. Forstchr. Med., Volume 2, page 185, 1884.



Lot-to-Lot Validation Form
Gram Stain Kit (Modified Brown & Brenn) Catalog: SSK-GRAM/BB

Kit Lot Number: _____
Kit Expiration Date: _____
Date Tested: _____
Control Tissue (#) _____
Approved for Use: Y/N _____
Date put into use: _____

If not approved,
corrective actions
taken: _____

Approved by: _____

Kit Component**Lot #**

Gentian Violet Solution

Lugol's Iodine Solution

Gram's Decolorizer Sol.

Safranin O Solution

Picric Acid-Acetone Sol.

Replacement Component if used	Replacement Date	Lot #	Accepted Y/N	Comments
Gentian Violet Solution				
Lugol's Iodine Solution				
Gram's Decolorizing Solution				
Safranin O Solution				
Picric Acid-Acetone				
Approved By: _____				

StatLab is providing this form to assist with reagent lot validation as stated in CLIA'88 Standard 493.1256-For reagent(s), the laboratory must do the following: Check each batch (prepared in-house), lot number (commercially prepared) and shipment of reagents, stains, and identification systems (systems using two or more substrates or two or more reagents, or a combination) when prepared or opened for positive and negative reactivity, if applicable.