

Gram Stain Kit

Description: The Gram Stain Kit 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/Contents:


<u>Item #</u>	<u>Kit Contents</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.
CFX030	Carbol Fuchsin Counterstain	30 ml	18-25 °C.
TZQ030	Tartrazine Solution	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.
 Use in chemical fume hood whenever possible.

Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Cover tissue section with Gentian Violet Solution and incubate for 1 minute.
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. Apply drops of Gram's Decolorizer until color no longer bleeds off section.
7. Rinse slide quickly in distilled water.
8. Cover tissue section with Carbol Fuchsin and incubate for 1-2 minutes.

Storage: 18° C  25° C

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Instructions For Use
GSK-2-IFU

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9. Rinse slide quickly in distilled 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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