

Instructions For Use

KT018-IFU

Revision: 6

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6616 Owens Drive, Pleasanton, CA 94588 U.S.A. - Tel. (925) 484-3350 - Fax (925) 484-3390 - www.dbiosys.com

Gram Stain Kit

Rev. Date: May 31, 2018

Description: The Gram Stain Kit is intended for the demonstration and differentiation of Grampositive 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 <u>not</u> use past expiration date. Use caution when handling these reagents.
- **Control Tissue:** Any well fixed paraffin embedded tissue section.

Availability/Contents:

Kit Contents	Volume	Storage
Gentian Violet Solution	125 ml	15-30°C
Lugol's lodine Solution	125 ml	15-30°C
Gram's Decolorizer Solution	125 ml	15-30°C
Carbol Fuchsin Counterstain	125 ml	15-30°C
Tartrazine Solution	125 ml	15-30°C

 Precautions:
 This product is a single-use, non-sterile, in vitro diagnostic device. 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 lodine Solution and incubate for 1 minute.
- 5. Rinse slide in running tap water to remove excess lodine.
- 6. Place slide in Gram's Decolorizer until color no longer bleeds off section.
- 7. Rinse slide quickly in distilled water.

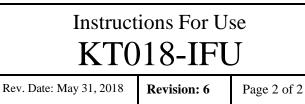
30° C

Storage: 15° C **A** Store All Components At Room Temperature. Diagnostic BioSystems 6616 Owens Drive Pleasanton, CA 94588 U.S.A. Tel: 1-925-484-3350 сV

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EmergoEurope Prinsessegracht 20 2514 AP The Hague The Netherlands Tel: (+31)(0) 70 345-8570





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- 8. Cover tissue section with Carbol Fuchsin and incubate for 1-2 minutes.
- 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.

Storage: 15° C 30° C Store All Components At Room Temperature.

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