



Gram-Hucker's Staining Kit

for clinical diagnosis

Application

Gram-Hucker stain is the most widely used stain in microbiology to differentiate between Gram-positive and Gram-negative bacteria on the basis of their colour retention.

PanReac AppliChem offers all the reagents required for this staining, in kit format, with easy-to-use dropper bottles. The kit meets the CE marking requirements for in vitro diagnostic medical devices.



Main advantages

- Easy-to-use 100 or 250 ml dropper.
- Easy, clean liquid dosing.
- Optimal bacterial staining.
- Supplied in a practical case with handle.

Reagents

Description	Code	Package
Gram-Hucker's Staining Kit (droppers) for clinical diagnosis The kit consists of: Alcohol-Acetone 7:3 -- 1 x 250 mL Lugol's Liquor * -- 1 x 100 mL Gram-Hucker's Safranin O solution -- 1 x 100 mL Gram-Hucker's Crystal Violet Oxalate solution -- 1 x 100 mL	256649.0922	pack
The reagents included in the kit can also be ordered separately:		
Alcohol-Acetone 7:3 for clinical diagnosis	251803.1209	250 mL
	251803.1211	1000 mL
Lugol's Liquor with 0,4% of Iodine (diluted) for clinical diagnosis	251774.1608	100 mL
	251774.1609	250 mL
	251774.1611	1000 mL
Gram-Hucker's Safranin O solution for clinical diagnosis	252531.1209	250 mL
	252531.1211	1000 mL
Gram-Hucker's Crystal Violet Oxalate solution for clinical diagnosis	252532.1609	250 mL
	252532.1611	1000 mL

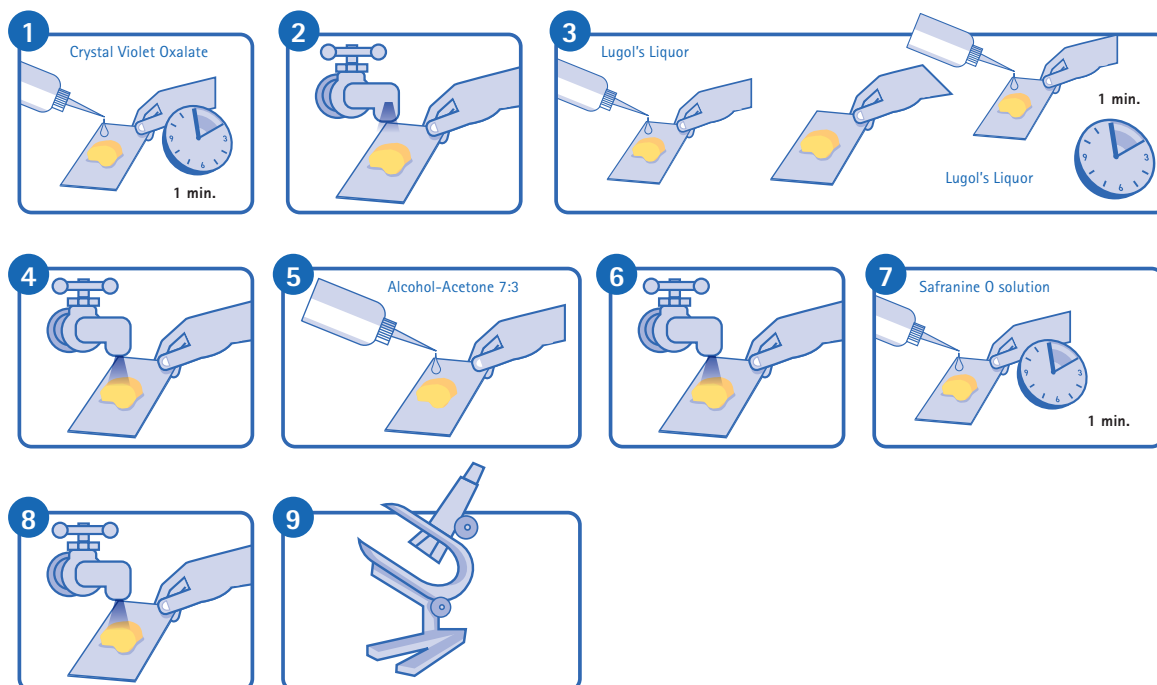


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Procedure

1. Fix the smear thermally or chemically. Cover the preparation with Gram- Hucker's Crystal Violet Oxalate solution and leave for 1 minute.
2. Gently wash the excess stain away with running water.
3. Cover the preparation with Lugol's Liquor and drain. Cover it again with Lugol's Liquor and leave for 1 minute.
4. Wash with water.
5. Decolorize by adding Alcohol-Acetone 7:3 dropwise to the tilted slide until no further color is released. Do not decolorize for more than 1 minute.
6. Wash with water (optional).
7. Cover the preparation with Gram-Hucker's Safranin O solution and leave for 1 minute.
8. Gently wash to remove excess stain.
9. Dry and observe under the microscope with an immersion lens.



Results

Gram-positive bacteria: Blue-violet
Gram-negative bacteria: Red-pink



A wide range of histology reagents are available. For more information see our brochure "Reagents for Hospitals" at https://www.itwreagents.com/download_file/brochures/A193/en/A193_en.pdf

(*) The color of the bottle can change with time. Does not affect staining.

IP-017EN

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