

BA028

Safranin 0.25% w/v, Gram's Counter stain

FORMULA

Reagent:

Safranin O	2.50 g
Ethyl alcohol 95%	100.00 ml

Counterstain working solution:

Dilute 10 ml. of stock solution with distilled water to 100 ml.

Directions:

1. Prepare a thin smear on clear, dry glass slide.
2. Allow it to air dry and fix by gentle heat.
3. Flood with Gram's crystal violet(BA027) for 1 minute. (if over staining results in improper decolorization of known gram-negative microorganisms, use less crystal violet)
4. Wash with tap water.
5. Flood the smear with Gram's iodine (BA087). Allow to remain for 1 minute.
6. Flood smear with Gram's decolorizer (BA088) until the blue color no longer flows from the smear. (Acetone may be used as decolorizer with caution since this solvent rapidly decolorizes the smear).
7. Wash with tap water.
8. Counter stain with 0.25% w/v Safranin (BA028). Allow it to remain for 1 minute.
9. Wash with tap water.
10. Allow the slide to air dry or blot dry between sheets of clean bibulous paper and examine under oil immersion objective.

Precautions :

1. For Laboratory Use.
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

Use: Gram staining

Quality Control:

Appearance: Red coloured solution

Microscopy:

Gram-positive microorganisms	- Bluish purple
Gram-negative microorganisms	- Pinkish red

Storage: Below 30°C

Packing: 100 ml

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TECHNICAL SHEET

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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