

**BA027**

**Gram's Crystal Violet**

**FORMULA\*\***

**Reagent:**

**Solution A:**

Crystal violet	2.00 g
Ethyl alcohol 95%	20.00 ml

**Solution B:**

Ammonium oxalate	0.80 g
Distilled water	80.00 ml.

Solution A and B mixed. Stored for 24 hours before use. The resulting stain is stable.

\*\*Formula adjusted, standardized to suit performance parameters.

**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.

**Quality Control:**

**Appearance:** Purple colored, clear solution

**Microscopy:** Gram-positive microorganisms - Violet  
Gram-negative microorganisms- Pinkish red

**Storage:** Below 30°C.

**Packing:** 100 ml

**Warning & Precautions :**

In Vitro diagnostic Use only. For professional use only. For Laboratory Use. Read the label before opening the container. Wear protective gloves/protective clothing/ eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets

Refer disclaimer Overleaf

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**Use:**

Gram's crystal violet is used as staining solution for Gram's staining and monochrome staining of microbes.

**Disposal:**

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

**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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