

**PRODUCT CODE**  
**BS009**

**APPLICATION**

Safranin 'O' is commonly used as a counter stain in Gram Staining for distinguishing between gram-positive and gram-negative organism.

**REAGENT COMPOSITION**

Safranin O                             0.8%  
Deionized Water                     100 mL

**REAGENT PREPARATION**

It is recommended to filter all stain before use.

**REAGENT STORAGE AND STABILITY**

Safranin 'O' solution is stable up to the stated expiry date when stored at 15-25° C.















**PROCEDURE**

- 1- Stain heat fixed smears with Crystal Violet Solution (Bio Research, Product Code: BS006) for 1 minute.
- 2- Wash off with tap water and flood slides with Lugol's Iodine solution (Bio Research, Product Code: BS008) for 2 minutes.
- 3- Wash off with tap water and decolorize smear with Decoloriser (Bio Research, Product Code: BS007) for few seconds only.
- 4- Wash well with water and counter stain with Safranin O Solution (Bio Research, Product Code: BS009) for 2 minutes.
- 5- Wash with tap water and allow to dry.
- 6- Examine under microscope using oil immersion objective.

**RESULTS**

Gram Positive bacteria       -       Blue/ Black  
Gram Negative bacteria      -       Red

**SYMBOLS ON LABELS**

| Symbols   | Signify             | Symbols   | Signify              |
|---|---------------------|---|----------------------|
|  | Catalogue Number    |  | Pack Size            |
|  | Expiry Date         |  | Volume               |
|  | Storage Condition   |  | Lot Number           |
|  | Instruction for Use |  | In Vitro Diagnostics |
|  | Manufacturing Date  |  | Manufacturer         |
|  | Number of Tests     |  | For Single Use Only  |
|  | EC Representative   |  | European conformity  |

**BIBLIOGRAPHY**

Gram. C (1884) Fortsch.Med.2185-189.

