

PRODUCT CODE
BS008

APPLICATION

Lugol's Iodine is a component in the Gram Staining for distinguishing between gram-positive and gram-negative organism. It is a solution of elemental iodine and potassium iodide in water

REAGENT COMPOSITION

Potassium iodide 2%
Iodine Resublimed 1%

REAGENT PREPARATION

It is recommended to filter all stain before use.

REAGENT STORAGE AND STABILITY

Lugols Iodine solution is stable up to the stated expiry date when stored at 15-25° C. Keep tightly closed to prevent air oxidation.















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.

