



Gram Stain Kit (Modified)

Solutions Provided:

- #SSC1089-250 - **Iodine Solution, Gram**
- #SSC1146-250 - **Crystal Violet-Oxalate Stain**
- #SSC1163-250 - **Gram's Decolorizer (Acetone-Alcohol) Solution**
- #SSC1190-250 - **Tartrazine Stain**
- #SSC1196-250 - **Carbol Fuchsin Counterstain**

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Stain with **Crystal Violet-Oxalate Stain** for 1 minute.
3. Rinse slides well in distilled water to remove excess stain.
4. Mordant sections with **Gram's Iodine Solution** for 1 minute.
5. Rinse well in running tap water to remove excess iodine and dip in distilled water.
6. Decolorize with **Decolorizer (Acetone-Alcohol) Solution** until color no longer bleeds off section.
7. Rinse quickly in distilled water.
8. Stain in **Carbol Fuchsin Counterstain** for 1-2 minutes.
9. Rinse slides quickly in distilled water to remove excess stain.
10. Stain with **Tartrazine Stain** for 10-15 seconds.
Note: Be cautious not to over-stain with this solution.
11. Dehydrate very quickly in 3 changes of fresh 100% alcohol.
12. Clear and mount with appropriate mounting medium.

Results:

Gram-Positive Organisms:	Blue
Gram-Negative Organisms:	Red
Nuclei:	Red
Background:	Yellow