



Gram Stain Kit, Brown-Brenn, Modified

Solutions Provided:

- #SSC1146-250 - **Crystal Violet-Oxalate Stain**
- #SSC1089-250 - **Iodine Solution, Gram**
- #SSC1163-250 - **Grams Decolorizer (Acetone-Alcohol) Solution**
- #SSC1051-250 - **Basic Fuchsin, 0.25%**
- #SSC1106-250 - **Picric Acid-Acetone Solution**
- #SSC1192-250 - **Acetone**
- #SSC1193-250 - **Acetone-Xylene Solution**

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Stain slides in freshly filtered **Crystal Violet-Oxalate Stain** for **30 seconds**.
3. Wash sections well with distilled water until all excess stain is removed.
4. Place slides in **Iodine Solution, Gram** for **1 minute**.
5. Rinse sections well in several changes of distilled water.
6. Blot slides (not sections) dry.
7. Decolorize briefly in **Grams Decolorizer (Acetone-Alcohol) Solution**. **1-3 dips** should be sufficient.
8. Counterstain in **Basic Fuchsin, 0.25%** for **3 minutes**. Ensure slides are well agitated.
9. Rinse sections well in distilled water.
10. Blot slides (not sections) dry.
11. Dip in **Acetone** for **1 dip**.
12. Dip in **Picric Acid-Acetone Solution** for **3-5 dips**. Sections should have yellowish-pink color.
13. Dip slides several times in **Acetone-Xylene Solution** until proper differentiation has been achieved. If more differentiation is required, repeat step 12.
14. Clear in xylene and mount with appropriate mounting medium.

Results:

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