

Usage procedure for:

Gram Stain Kit, Modified Method

Avantik Kit Item #: RS4557-125 | RS4557-250 | RS4557-500



19 Chapin Rd - Building C
Pine Brook, NJ 07058

t: 800.783.9424
e: info@avantik-us.com

avantik-us.com

Solutions Provided in Stain Kit:

Gentian Violet Stain
Gram's Iodine Solution
Gram's Decolorizer Solution
Carbol Fuchsin Counterstain
Tartrazine Stain

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
 2. Stain with **Gentian Violet 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 **Gram's Decolorizer 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 **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 |

Kit Components and Related Control Slides:

Avantik Item Numbers:

Gentian Violet Stain: RS4408-250 (250 mL) | RS4408-500 (500 mL)

Gram's Iodine Solution: RS4414-250 (250 mL)

Gram's Decolorizer Solution: RS4413-250 (250 mL) | RS4413-500 (500 mL)

Carbol Fuchsin Counterstain: RS4397-500 (500 mL)

Tartrazine Stain: RS4458-500 (500 mL)

Gram Stain Control Slides: SL6211-A (Pack/12) | SL6211-B (Pack/25) | SL6211-D (Pack/100)