

Usage procedure for: **Fite Stain Kit, Leprosy**



19 Chapin Rd - Building C
Pine Brook, NJ 07058

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

Avantik Kit Item #: RS4555-125 | RS4555-250 | RS4555-500

Solutions Provided in Stain Kit:

Xylene-Peanut Oil Solution
Carbol Fuchsin Stain
Acid Alcohol, 1%
Methylene Blue Stain

Conventional Procedure

1. Deparaffinize sections in two changes of **Xylene-Peanut Oil Solution** at 12 minutes each.
2. Air-dry slide for 15 minutes. Do not remove the film of oil covering the section. This helps to prevent de-staining of Lepra bacillus during differentiation.
3. Gently rinse slides in 2-3 changes of distilled water.
4. Stain sections in **Carbol Fuchsin Stain** for 20-30 minutes.
5. Rinse slides thoroughly in tap water.
6. Decolorize slides in **Acid Alcohol, 1%** one at a time until the sections are faint pink.
7. Rinse in tap water and check tissue section microscopically for correct differentiation. Repeat steps 6&7 if further differentiation is required. If too much differentiation occurred, re-stain in Carbol Fuchsin and repeat steps 5-7.
8. Counterstain lightly in **Methylene Blue Stain** by dipping slides one at a time until desired intensity is reached. Sections should be stained pale blue. Be sure to not overstain.
9. Wash sections in running tap water.
10. Blot sections dry and let stand 5-10 minutes to air-dry completely.
11. Dip slide several times in Xylene or Xylene Substitute and with synthetic resin.

Results:

Lepra bacillus:	Red
Background:	Light Blue

Kit Components and Related Control Slides:

Avantik Item Numbers:

Xylene-Peanut Oil Solution: RS4461-250 (250 mL) | RS4461-500 (500 mL)

Carbol Fuchsin Stain: RS4398-250 (250 mL) | RS4398-500 (500 mL)

Acid Alcohol, 1%: RS4383-250 (250 mL) | RS4383-500 (500 mL)

Methylene Blue Stain: RS4426-250 (250 mL) | RS4426-500 (500 mL)

Fite Stain-Leprosy Control Slides: SL6221-A (Pack/12) | SL6221-B (Pack/25) | SL6221-D (Pack/100)