

Usage procedure for:

## Acid Fast Bacteria (AFB) Stain Kit

Avantik Kit Item #: RS4545-125 | RS4545-250 | RS4545-500

### Solutions Provided in Stain Kit:

Carbol Fuchsin, Ziehl-Neelsen

Acid Alcohol, 1%

Light Green Counterstain



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### Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Stain sections in **Carbol Fuchsin, Ziehl-Neelsen** for 30 minutes.
3. Thoroughly wash sections in running tap water.
4. Differentiate in 2 changes of **Acid Alcohol, 1%** until tissue section becomes pale pink.
5. Thoroughly wash sections in running tap water, then rinse in distilled water.
6. Counterstain in **Light Green Counterstain** for 30-90 seconds or until desired intensity is reached. Sections should be stained pale green.

**Note:** Be cautious not to over stain with this solution.

7. Thoroughly wash sections in running tap water, then rinse in distilled water.
8. Dehydrate slides in two changes each of 95% Alcohol and 100% Alcohol.
9. Clear and mount with appropriate mounting medium

### Results:

Acid Fast Bacteria:	Bright Red
Background:	Light Green

### Kit Components and Related Control Slides:

Avantik Item Numbers:

**Carbol Fuchsin, Ziehl-Neelsen:** RS4398-250 (250mL) | RS4398-500 (500mL)

**Acid Alcohol, 1%:** RS4386-250 (250mL) | RS4386-500 (500mL)

**Light Green Counterstain:** RS4421-250 (250mL) | RS4421-500 (500mL)

**Acid Fast Bacilli (AFB) Pos/Neg Control Slides:** SL6363-A (Pack/12) | SL6363-B (Pack/12) | SL6363-D (Pack/100)

**Acid Fast Bacilli (AFB) Control Slides:** SL6220-A (Pack/12) | SL6220-B (Pack/25) | SL6220-D (Pack/100)