

Staining with Diff-Quik

Reagents & Supplies Needed

1. *Diff-Quik Kit*: consisting of Fixative, Stain Solution #1 and Stain Solution #2
2. Distilled Water
3. Coplin Staining Jars
4. Paper towels

Diff-Quik Staining Protocol

1. Fix smear by immersing slide in Diff-Quik Fixative 1 second 4 times
2. Stain sperm by immersing fixed slide in Diff-Quik Solution #1. 1 second 4 times
3. Stain sperm by immersing slide in Diff-Quik Solution #2. 1 second 4 times
4. Rinse slide gently in distilled water.
5. Allow to dry

If re-examination of slides is required, coverslipping will help prevent deterioration of the smear due to repeated exposure to immersion oil. It will also help to maintain a clean objective. Though coverslipping is optional, it is recommended.

Mounting a coverslip onto the slide requires the use of a mounting medium such as the *Eukitt* mounting medium.

Coverslipping Procedure

1. Place 3-4 drops of mounting medium along the center of the dried slide.
2. Carefully place a clean coverslip (50mm x 22mm) on the slide.
3. Press the coverslip gently to distribute the mounting medium.
4. Allow to dry sufficiently.