

Analyzing a crime scene

LABORATORY EXPERIMENT

Lab Name: Cyanoacrylate fuming

Precaution Notice please abide to the following before attempting the experiment:

1. Perform experiment only in a well ventilated area.
2. Wear proper safety goggles, gloves, apron/lab coat.
3. Remember to tie back long hair before performing experiment

Purpose:

To preserve and make fingerprint evidence more durable.

Materials:

1. (1x) Plastic Cup
2. (1x) Tube of Superglue
3. (1x) Glass Slide
4. (1x) Candle Warmer

Procedure:

1. Get all materials ready.
2. With your thumb, rub the side of your nose or behind your ear to pick up oil.
3. Place your finger on the glass slide, leaving your fingerprint there. Do not forget to put your glove back on afterward.
4. Place a drop of superglue on the edge of the glass slide. **NOT ON THE FINGERPRINT!**
5. Place the glass slide on the candle warmer.
6. Place the plastic cup over the glass slide and candle warmer.
7. Turn on the candle warmer.
8. Run the candle warmer for 10-15 minutes.
9. Watch the fumes from the super glue. It will begin to cover the fingerprint.
10. Turn off candle warmer when the fumes have covered the fingerprint.
11. The fingerprint will have a white/fogged appearance and will be able to withstand handling.

SEE DETAILED INSTRUCTIONS WITH ILLUSTRATIONS AT OUR WEBSITE