

Materials:

1. Glass slide
2. Forceps
3. Glutaraldehyde (diluted in water)
4. DAPI dye (diluted in water)
5. Glass slip.
6. Two filter papers (folded in half)

Method:

1. Using forceps, gently tap an open flower onto a glass slide. The released pollen can be seen with the naked eye.
2. Add 5 μL of 3% (v/v) glutaraldehyde and 5 μL of 1 $\mu\text{g}/\text{mL}$ DAPI dye to pollen.
3. Use a glass slip to cover the mixture.
4. Release the pollen contents by applying a gentle pressure on the glass slip between two layers of filter paper.
5. View the slide under UV fluorescence microscope.