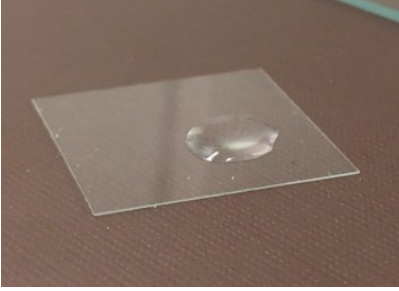
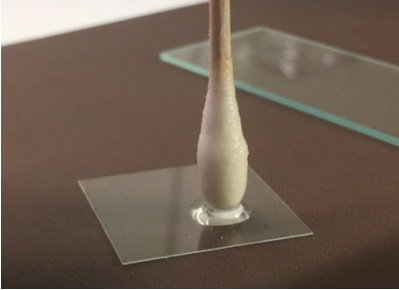


Preparing a Slide with the Modified Hanging Drop Technique

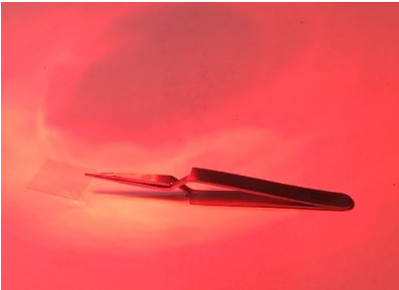


Start by placing a small drop of distilled water on a clean cover slip.

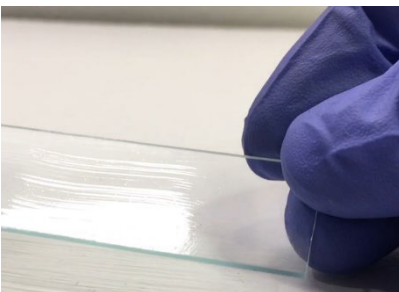


Take a sterile swab and thoroughly macerate the sampled brood in the sample tube.

Gently touch the swab into the drop of water on the cover slip until the drop becomes slightly turbid. Be careful not to transfer too much bacteria to the water because this will make the slide hard to read.



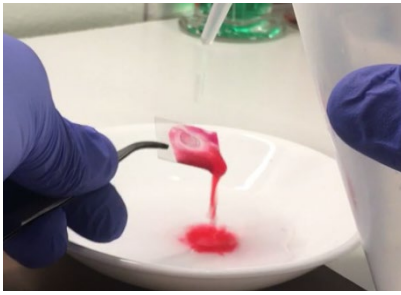
Hold the cover slip in self-closing forceps and place them under an infrared heat lamp to fix the sample to the slip.



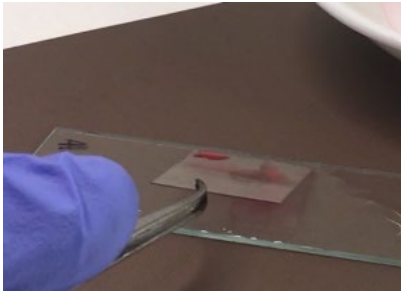
While the cover slip is fixing, label a microscope slide and gently spread immersion oil on the slide to form a thin layer.



Once the cover slip is fully heat fixed, flood the side containing the fixed sample with carbol fuschin stain for 30 seconds.



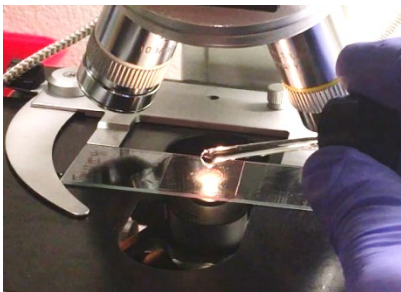
Gently rinse the slip with distilled water, leaving a little bit of water on the slip.



Carefully place the cover slip water/sample side down onto the thin layer of oil on the prepared microscope slide.

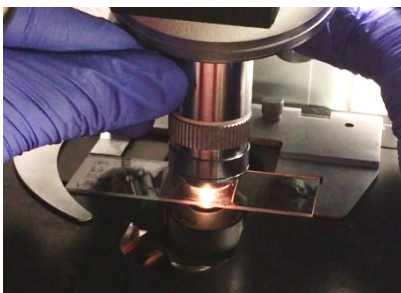


Carefully blot away any excess water with blotting paper.



Place the slide on the microscope and rotate the objective lens so that there is open space above the slide (i.e., so that no lens is directly above the slide).

Place a drop of immersion oil on top of the cover slip.



Rotate the objective lens to 100x for 1000x total magnification.