How to Use an Oil Immersion Lens

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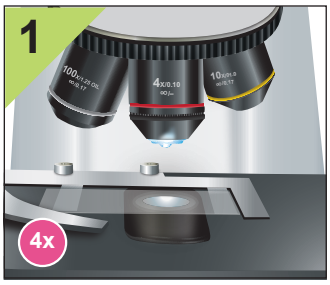
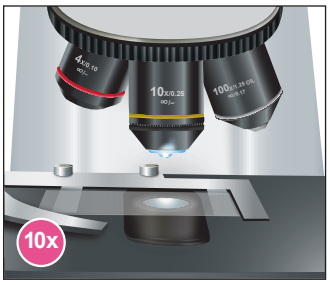
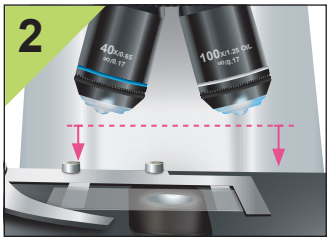
Procedure

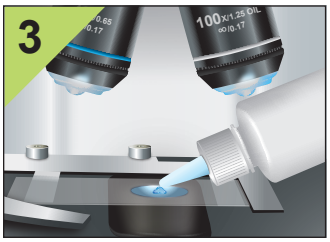




Place prepared slide with coverslip onto the mechanical stage and use the lower magnification objectives (4x, 10x, 40x) to focus and view your slide.

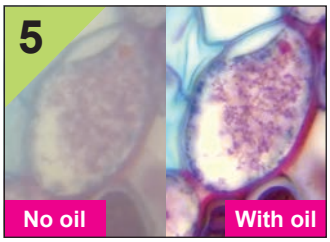


Once viewing in lower objectives is complete, rotate the nosepiece between the 40x and 100x objective. Use the coarse focus knob to lower stage completely.

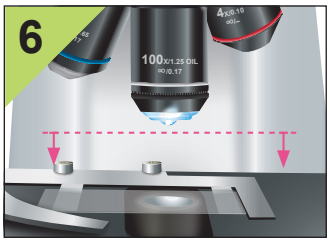


Place a small drop of immersion oil onto the cover slip, avoiding any bubbles.

Move the 100x objective into place. **SLOWLY** move the stage upward using the coarse focus knob until the objective meets the immersion oil.

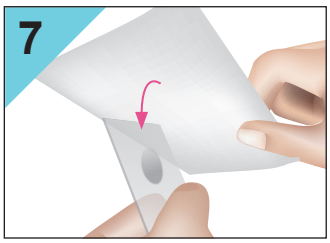


Using the **FINE FOCUS** knob **ONLY**, bring your slide into focus.

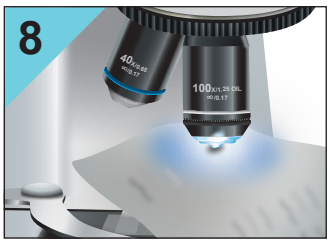


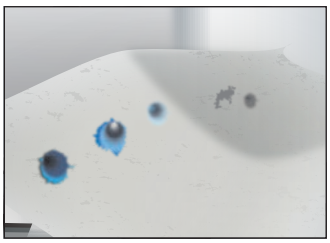
After viewing slide, lower the stage completely again with the coarse focus knob. Remove the slide.

Cleaning

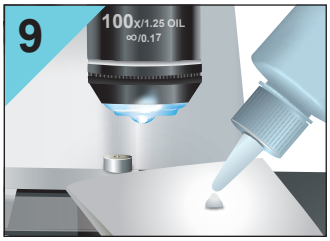


Use lens paper and lens cleaner to thoroughly clean the oil off the slide.





Take a sheet of lens paper and gently dab the 100x objective to clean the oil off the lens. Carefully shift to a clean area of the paper after each dab to ensure all oil is removed. **DO NOT ALLOW OIL TO REACH THE 40x OBJECTIVE. THIS WILL RUIN THE LENS.**



Use lens paper and lens cleaner to gently wipe the 100x objective of any residual oil.

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