

Protect the Scope. One Drop Does It.

A quick reference for anyone using oil-immersion objectives on lab microscopes.

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One small drop is all it takes

More oil doesn't improve the image, it just increases haze, cleanup time, and the risk of oil creeping into the objective housing.



SCAN FOR VIDEO

✓ Do This

Use Type A or Type B immersion oil only

Whatever your lab has standardized on — never a substitute.

Apply one small drop

Directly on the slide or objective tip, not both.

Focus, then adjust

Bring the sample into focus before adding any more oil, if needed at all.

Wipe the objective immediately after use

Every time, no exceptions, even "just a quick look."

Use lens tissue only

Fold fresh tissue for each wipe so you're not redistributing debris.

✗ Avoid This

Multiple drops "to be safe"

Excess oil pools, spreads to nearby components, and attracts dust.

Reusing old, dried oil

Dried residue scatters light and is harder to remove without solvent.

Paper towels, tissues, or cloth

These scratch the coating. Lens tissue is the only safe material.

Leaving oil on overnight

A quick wipe before you walk away prevents a service call later.

Switching objectives with oil still wet

Wipe first, always, to avoid oil migrating onto dry objectives.

THE HABIT, EVERY TIME

STEP 1

One drop on the slide

STEP 2

Focus, image, done

STEP 3

Wipe with lens tissue

STEP 4

Cap or cover the scope