

How to clean an objective

- Very small amounts of dust/dirt can make images substantially worse
- It is important to remove the oil after use (Oil traps dirt and slowly dissolves the glue in objectives)
- Be careful cleaning as the process could damage the objectives if done badly - remember they cost 3000€ to 10.000€ each - be gentle and don't use too much of any cleaning liquid
- Only use the paper provided, otherwise you will scratch the objective
- Never use dry paper to wipe an objective as you will scratch the objective

If you have used an oil objective, you need to remove the oil when you have finished. Use lens paper to remove the oil (try and mop it up rather than spread it out). Don't overdo that though as rubbing the objective when it is completely dry might scratch it (even if you are using lens paper).

To clean the objective, use absolute ethanol (TAKE SOME WITH YOU IN CASE THERE IS NONE AVAILABLE IN THE ROOM)

General procedure for cleaning an objective:

1. Add 100% ethanol (not too much) to lens paper, just enough for it not to be dry
2. Wipe gently without pressing to remove excess oil (do not press on the glass bit of the objective)
3. Repeat a few times until almost all oil is removed (do not press on the glass bit of the objective)
4. Make a cotton-tip like structure with the lens paper and wipe gently using a spiral motion (do not press on the glass bit of the objective)
5. If you are unsure if the cleaning procedure was adequate, you can use the lantern on your phone to check for debris on the lens, if you see dirty repeat process.

