

USING THE MICROSCOPE – GOLDEN RULES

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It's time to change

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1. Turn off the light source after finishing with the microscope.
2. Use immersion oil sparingly and ONLY use with the oil immersion objectives. If you are unsure which lens this is, look carefully at the lens – on most modern microscopes, the oil immersion lens will actually bear the word 'Oil' on it. It is usually a x100, but some microscopes may also have a x50 oil immersion objective.
3. Do not leave the oil immersion objectives in oil for any longer than necessary. If left in oil overnight, it will cause irreparable damage.
4. Do not put the x4, x10 or x40 objectives into the immersion oil. If this *does* occur, then the lens should be cleaned immediately.
5. If you spill solvents or chemicals, including liquid paraffin, they should be cleaned up straight away.
6. Remove slides after viewing and dispose of them as per your practice waste policy. If you wish to save a slide, store it in a microscope slide container.
7. Clean the lens with proper lens tissue immediately after use.
8. Leave the low power objective in place when finished viewing and lower the stage.



Objective	Uses
x4	To examine coat brushings, hair plucks or skin scrapes for parasites, flea dirt or hair structure.
x10	To identify parasites and look at them more closely.
x100	To examine cytology samples, pus, fine needle aspirates. On this power, you should be able to identify cell types and organisms.