



Choosing Your Microscope

These guidelines apply to biological compound microscopes, particularly those for veterinary use. You may also find it useful to refer to our 'Microscope Components Explained' article, which covers in more detail the individual components of a microscope.

Applications

It is important to be clear what the microscope will be used for and the type of samples and test materials involved.

Faecal and Skin/Hair analyses for worm eggs and parasites require a simple, basic, binocular microscope with most work being done with the 10X objective. However, these tests involve the use of corrosive liquids such as zinc sulphate, sodium / potassium hydroxide which can harm the microscope and its objectives if mishandled. If 'messy applications' are regularly performed, it is worth considering dedicating a microscope just for these and, when necessary, using it as a back-up for other tasks. In this regard, our Premiere model 125 fits the bill nicely because it is simple, robust, reliable and low cost, yet can handle higher power work if required.

Blood, Urine, and Stained Smears for manual cell counts, sediment analysis, differential WBC counts and Gram stained smears for bacteria require a more sophisticated microscope with better optics and ergonomic design. This type of work will need higher power objectives 40X and 100X oil more frequently so the light source and images need to be of better quality. In this regard, we offer two models: Premiere models 250 and 1600 which both feature Siedentopf binocular heads, LED illumination and a choice of a Finite Optical System with Achromat objectives or an Infinity Optical System with Plan objectives.

Stained Tissue Sections and Smears for cytological/histopathological examination require a higher specification microscope still and for this we recommend our Premiere 2000 with its superior wide field of view, Infinity Plan optics, and flexibility to add on extra components including phase contrast.

Photography - If photomicrography is required it is a good idea to buy a model with a trinocular head, although it is not essential.

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Quality and Cost

The two go together to a certain degree. However, the most expensive is not always the best particularly at the top end of the market. It's true to say that nowadays there are many more microscopes manufactured which are better value for money than ever before. However, the best way to assess this is to try a microscope before you buy it, particularly if you are familiar with using microscopes and know what to look for. With this in mind, we offer '7 Day Sale or Return' conditions, together with a 3-Year Warranty on all our Premiere microscopes, so you can be sure you are happy with the model you have selected. We also will send you the microscope free of delivery charge.

Choosing the Right Supplier

Firstly, it's important that you talk to an expert who is familiar with the tasks you want your microscope to perform. Experts are able to ascertain and understand your microscopy requirements, answer any questions you might have and recommend a suitable model for you. Lastly, and most importantly, you need to know that your supplier will be there to provide after sales support in terms of technical advice, servicing and finally, any additional components or microscope consumables you may need.

Here, at Vetlab Supplies Ltd we offer...

- ◆ 7 Day Sale or Return
- ◆ 3-Year Warranty
- ◆ Free Delivery
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All of our Premiere Microscopes are supported by expert microscope engineers.

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