

**AS (BY3) & A2 (BY6) Practical assessment - Microscopy - Marking Matrix**

Observation – Microscopy	Mark	Further clarification of mark	Mark awarded
1. A large drawing of the correct distribution of all tissues	2(2)	❖ LOOK carefully at your slide before you start to draw – you are identifying areas which contain similar types of cells – look at the size/shape/contents/staining	
2. Clean, single, sharp and complete lines with no shading	2	❖ Plan drawings DO NOT HAVE Shading / dots / dashes / sketchy or overlapping lines / individual cells Your plan drawing should be clear, accurate and precisely labelled and should show different areas of cells within the section you are examining	
3. Drawing the correct proportions of all tissues	2	❖ Check your scaling as you draw – remember that your eye piece graticule can be used as a simple ‘ruler’ to help you with scale and proportion	
4. The correct identification	2(2)	❖ Labels – parallel lines in pencil, no arrow heads, do not let them cross over one another, print the text neatly	
5. The correct measurements	1	❖ If you are asked to measure the length or diameter of the section, indicate clearly ON your drawing where you have measured. When you are asked to convert eye-piece units into an actual measurement, ensure that you use the correct calibration value and do not forget the units!	
6. Further explanation or observations (according to context)	6 (3)	❖ Explain your calibration method, ensure that you are recording the correct power, don't forget units and do not use abbreviations e.g. ‘eye-piece units’, not ‘epu’ ❖ When calculating magnification, remember that both values need to be in the same units (usually $\mu\text{m}$ ) and magnification is displayed as X_____	
<b>Total 15 marks</b>	<b>15</b>		

