

## MICROSCOPES CALIBRATIONS

Microscope	Objective	Pixels W/H	1.6xMag	Pixels/ $\mu$ m	$\mu$ m/Pixels
<b>Olympus</b>	2x	1360 x 1024		0.31	3.23
	2x	1360 x 1024	√	0.49	2.03
	10x	1360 x 1024		1.55	0.65
	10x	1360 x 1024	√	2.46	0.41
	20x	1360 x 1024		3.12	0.32
	20x	1360 x 1024	√	4.96	0.21
	40x	1360 x 1024		6.48	0.15
	40x	1360 x 1024	√	10.2	0.98
<b>Zeiss AxioCam</b>	2.5x	1300 x 1030		0.39	2.59
	5x	1300 x 1030		0.74	1.35
	10x	1300 x 1030		1.49	0.67
	20x	1300 x 1030		3.03	0.33
	40x air	1300 x 1030		5.88	0.17
	40x oil	1300 x 1030		5.88	0.17
	63x oil	1300 x 1030		9.09	0.11
	100x oil	1300 x 1030		14.29	0.07
<b>Zeiss RT Slider SPOT</b>	4x	1600 x 1200		0.55	1.81
	10x	1600 x 1200		1.32	0.76
	20x	1600 x 1200		2.65	0.38
	40x	1600 x 1200		5.45	0.18
	40x oil	1600 x 1200		5.48	0.18
	63x oil	1600 x 1200		8.58	0.12
	100x oil	1600 x 1200		13.72	0.07

**You should always put a scale bar on your micrographs for publication. Use the above calibrations to place a scale bar in you pictures using Image-Pro Plus, ImageJ or Photoshop CS3 extended.**