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## Microscope Objectives Plan

Plan								
Magnification	4X	5X	10X	20X	40X	50X (Oil)	60X	100X (Oil)
Numerical Aperture	0.1	0.12	0.25	0.4	0.65	0.9	0.8	1.25
Working Distance (mm)	15.8	17.5	12.2	5	0.37	0.12	0.13	0.13
Slide CT (mm)	0.17	-	0.17	0.17	0.17	0.17	0.17	0.17
Focus Length (mm)								
BFL (mm)	34.6815	21.0503	-0.3241	-14.8203	-20.1513		-10.9067	-17.6983
Conjugate Distance (mm)								
Tube Length (mm)								
Wavelength (nm)								
Resolution (μm)	3.355	2.796	1.342	0.839	0.516	0.373	0.419	0.268
Physical Depth of Focus (μm)	63.214	42.907	10.114	3.504	1.2	0.657	0.727	0.29
Thread								
Spring					√	√	√	√
Phase contrast								√
Field								●

NOTE : \*1—● Dark Field \*2—○● Bright Field

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