

Cytogenetics and Microscopy Core

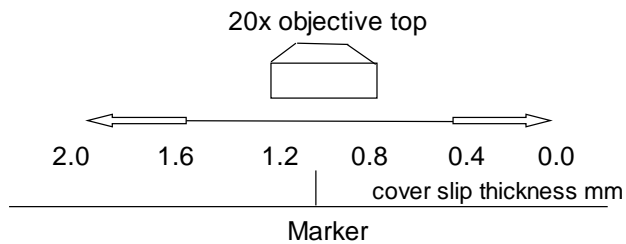
Nikon Eclipse TE2000-U microscope

Inverted configuration

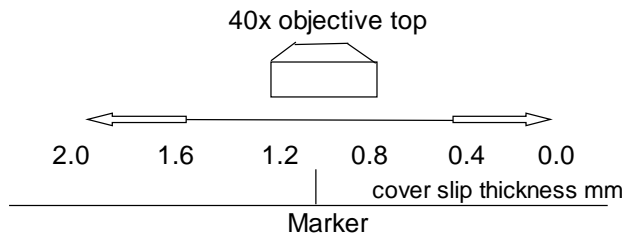
Nikon plan fluor 4x / 0.13 Cover glass thickness 2mm
 inf/1.2 WD 16.4 'Suitable' for fluorescence not optimal
 PhL DL (no PhL phase rings, so use Ph1)

Nikon plan fluor 10x/ 0.30 Cover glass thickness 2mm
 inf/1.2 WD 15.2 'Suitable' for fluorescence not optimal
 Ph1 DL

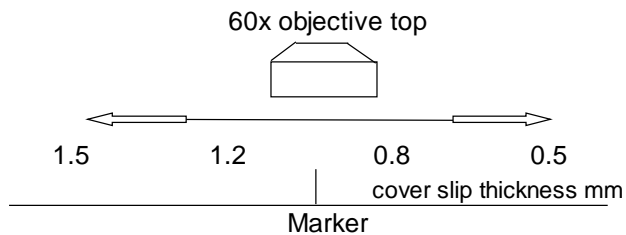
Nikon plan fluor ELWD 20x / 0.45
 inf/0.2 WD 7.4
 Ph1 ADL
 Variable cover slip correction
 Fluorescence optimised



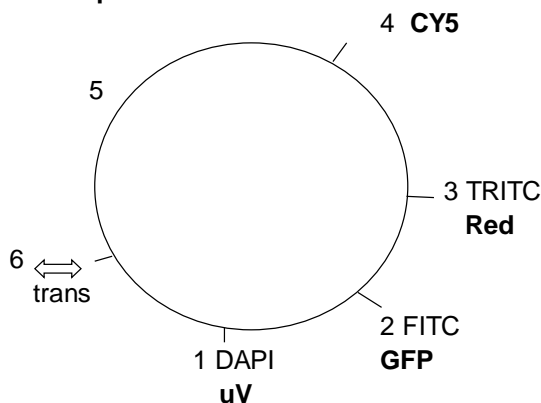
Nikon plan fluor ELWD 40x / 0.60
 inf/0.2 WD 3.7-2.7
 Ph2 ADL
 'Suitable' for fluorescence not optimal



Nikon plan fluor ELWD 60x / 0.70
 inf/0.5-1.5 WD 2.1-1.5
 Ph2 DLL DIC M
 'Suitable' for fluorescence not optimal



Nosepiece filter wheel



Nikon

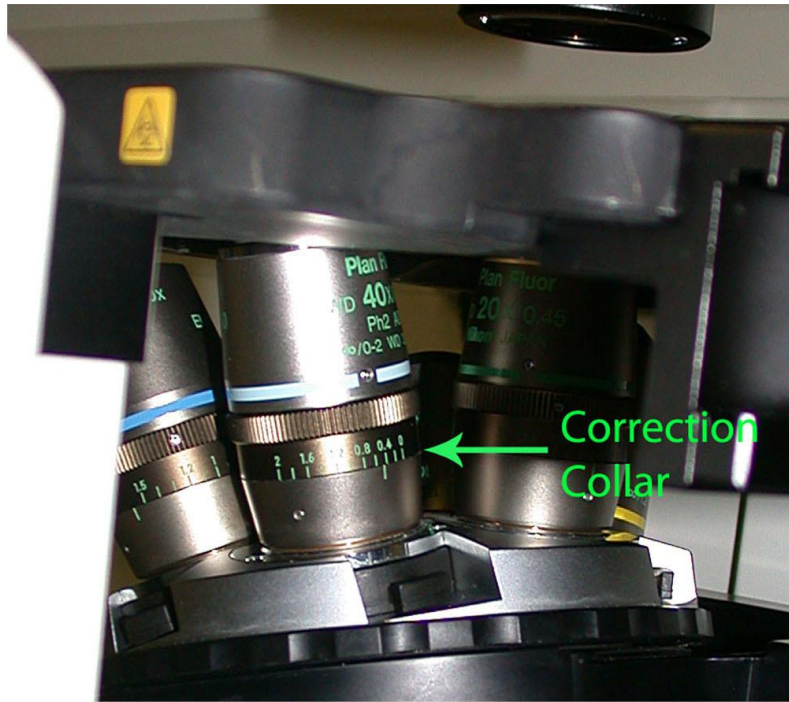
Objectives also available on request:

Plan APO VC 60x / 1.4 NA oil
 inf/0.17 WD 0.13mm
 Optimised for fluorescence & glass cover slips

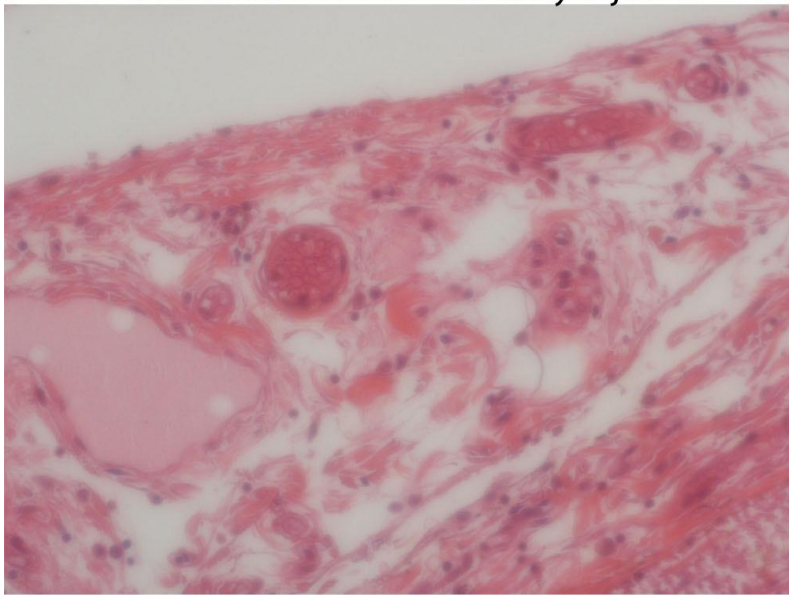
Plan UW 1X inf/-
 1x / 0.04 NA
 Unsuitable for fluorescence

PORT Settings:

- 1 = Microscope Eyepieces only
- 4 = SPLIT Nikon Colour Camera 50% and Eyepieces 50%
- 5 = Hamamatsu B&W Fluorescence Camera only



Below: 20x with the collar badly adjusted



Below: 20x with the collar correctly adjusted

