

# Olympus BX-51 Upright Microscope

This microscope is optimised for imaging slides mounted with #1.5 coverslips.

High numerical aperture (NA) objectives and the high-resolution DP74 camera produce quality images in fluorescence and colour brightfield. Adjustable transmitted light optics allow precise Koehler alignment. The acquisition PC also has FIJI/ImageJ installed for post-processing functions including tile stitching and extended depth of focus.









## Features

- High NA objectives for slides
- Fluorescence and Brightfield Colour imaging
- High resolution camera – Olympus DP74
- Transmitted light optics for setting Kohler illumination
- Darkfield illumination for 10x

## Objective Lenses

- 4x N.A. 0.13 PlanFluorDry
- 10x N.A. 0.30 PlanFluorDry
- 20x N.A. 0.75 PlanFluorDry
- 40x N.A. 0.75PlanApoDry
- 100x N.A. 1.40 PlanApoOil

## Excitation and Emission

Filter #	Excitation	Dichroic	Emission	Fluorophores
2 (WU)	375/28 	415	LP 435 	DAPI, HOECHST
3 (WB)	465/15 	500	LP 515 	GFP, FITC, Alx488
4 (WG)	530/40 	570	LP 590 	mCherry, Alx561
5 (NIB)	465/30 	505	535/40 	GFP, FITC, Alx488
6	na	na	na	
1 (BF)	na	na	na	

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