INVERTED FLUORESCENCE MICROSCOPE

NIKON ECLIPSE TI-E

**Location:** EMB #03-02Y

**Applications:** Brightfield and phase-contrast imaging on live cells, fixed cells; fluorescence imaging on live cells, fixed cells

**Specifications:**
- Nikon Ti-E Motorised Inverted Microscope with PFS; manual XY Stage
- Transmitted light Imaging, long-working distance condenser N.A. 0.52 W.D. 30 mm, phase contrast optics
- Widefield fluorescence Imaging using Xcite 120LED lamp
- DAPI, GFP, mCherry, Cy5 filter sets
- Objective Lenses: CFI Plan Fluor 4x/0.13, 10x/0.30, ELWD 20x/0.45, ELWD 40x/0.60, ELWD 60x/0.70
- Orca Flash 4.0 V2 sCMOS camera, Nikon colour camera
- MetaMorph software for image acquisition and analysis

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<th>Microscope</th>
<th>Location</th>
<th>NTU</th>
<th>Others</th>
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<tr>
<td>Inverted Fluorescence Microscope - Ti-E</td>
<td>EMB 03-02Y</td>
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Latest as of 1 June 2020
UPRIGHT FLUORESCENCE MICROSCOPE

LEICA DM5500

Location: EMB #03-02Y

Applications: H&E stain imaging, brightfield (DIC and phase contrast) imaging, fluorescence imaging on fixed cells in slides

Specifications:
• Brightfield (DIC and phase) imaging
• Fluorescence (DAPI, FITC, Cy3) – motorised filter change
• Manual XY-stage and manual nosepiece
• 1.25x/0.04, 5x/0.15, 10x/0.4, 20x/0.7, 40x/0.75, 63x/1.4 oil objectives
• Tile imaging module
• DFC 450C colour camera for brightfield imaging
• DFC 9000 GTC sCMOS monochrome camera for fluorescence imaging
• LAS-X software for image acquisition and analysis

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