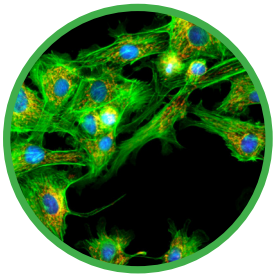
Illuminating Science:
Fluorescence Microscopy Applications

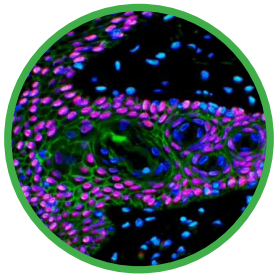
See science in a new light with fluorescence microscopy, a powerful imaging technique that brings hidden cellular structures, biological processes and disease markers into sharp, colourful focus. From confident diagnostics to cutting-edge cell research, fluorescence microscopy helps laboratories to gain deeper insights, improve understanding and drive scientific discovery across life sciences.

Why Fluorescence Microscopy?

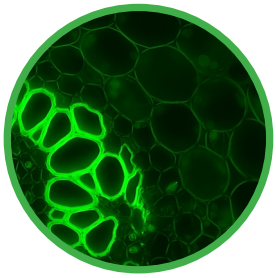
- High sensitivity and specificity
- Excellent contrast
- Multi-colour imaging capabilities
- Supports both fixed and live cell analysis



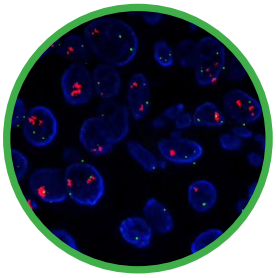
Cultured cells sample



Skin tissue sample



Plant stem sample



FISH sample

Key Applications

Clinical & Pathology

- Detection of infectious agents
- Immunofluorescence in tissue diagnostics
- Autoimmune disease testing (ANA)

Molecular & Cell Biology

- Protein localisation within cells
- Gene expression studies
- Live/dead cell assays

Research & Academia

- Cell structure and function studies
- Fluorescent tagging in teaching labs
- Microbiology and biofilm research

Pharmaceutical & Biotech

- Drug discovery and screening
- Cell viability and toxicity studies
- Biomarker identification

Featured Lasec® Models

	BS-2048FT	BS-2080F
Applications:	Routine fluorescence, pathology, microbiology and teaching laboratories	Advanced fluorescence imaging, cell biology and research applications
Microscope Capability:	Compact trinocular upright fluorescence microscope for routine workflows	Advanced trinocular upright fluorescence microscope with enhanced imaging performance
Fluorescence Features:	LED fluorescence illumination with standard filter options	LED fluorescence illumination with high signal-to-noise ratios and multiple filter options
Imaging & Documentation:	Compatible with optional digital imaging systems for image capture and documentation	Compatible with optional advanced digital imaging systems for enhanced image capture, documentation, and analysis
Industries:	Universities and diagnostic laboratories	Research institutes, pharma and specialised laboratories

In addition to the featured models, a variety of microscope configurations, fluorescence filter sets and imaging options are available to meet specific application, workflow and budget requirements.

Are you exploring Fluorescence Microscopy for your lab?
Contact us to assist with selecting the right configuration for you.

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