

Olympus UPLAPO 60X Oil Immersion Objective

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#90-689 Olympus UPLAPO 60X Oil Immersion Objective

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General	
UPLAPO60XOHR	Model Number:
Compatible Tube Lens Focal Length (mm): Focal Length: 180mm	
Microscope Objective	Type:
Infinity Corrected	Style:

Olympus	Manufacturer:
Recommended Immersion Oil #86-834	Note:
Physical & Mechanical Properties	
0.36	Field of View (mm):
44.75	Length excluding Threads (mm):
31.5	Maximum Diameter (mm):
169	Weight (g):
Optical Properties	
0.13-0.19	Compatible Cover Glass Thickness (mm):
3.00	Focal Length FL (mm):
60X	Magnification:
1.50	Numerical Aperture NA:
0.22	Resolving Power (μm):
0.19	Depth of Field (μm):
0.11	Working Distance (mm):
22	Field Number (mm):
45	Parfocal Length (mm):
Oil	Immersion Liquid:
Threading & Mounting	
RMS / 20.32mm x 36 TPI	Mounting Threads:
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- The First Plan-Corrected Apochromat Objectives with NA of 1.50
- Ideal for Total Internal Reflection Fluorescence (TIRF) & SuperResolution Applications
- Enhanced Image Flatness, Light Throughput, and Chromatic Correction

Olympus High Resolution TIRF Plan Apochromat Objectives are the first plan-corrected apochromat objectives to achieve a numerical aperture of 1.50 using standard oil immersion. These objectives deliver superior image flatness, high light throughput, and exceptional chromatic correction across the visible spectrum. Their high NA enables enhanced resolution and contrast, critical for discerning fine structural details in demanding imaging systems. Olympus High Resolution TIRF Plan Apochromat Objectives are optimized for TIRF and super-resolution techniques such as TIRF-RIM (Random Illumination Microscopy), TIRF-SIM (Structured Illumination Microscopy), and STORM (Stochastic Optical Reconstruction Microscopy), providing maximum signal efficiency while minimizing phototoxicity. These objectives are the ideal choice for researchers requiring the highest fidelity in live-cell, membrane, and single-molecule imaging applications.