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16X Water Immersion Objective, Nikon CFI75 LWD

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General

Model Number:
MRP07220

Compatible Tube Lens Focal Length (mm):
Focal Length: 200mm

Type:
Microscope Objective

Style:
Infinity Corrected

Manufacturer:
Nikon

Physical & Mechanical Properties

Field of View (mm):

1.375

Length excluding Threads (mm):

72.00

Maximum Diameter (mm):

35

Weight (g):

195

Optical Properties

Compatible Cover Glass Thickness (mm):

N/A

Horizontal Field of View, 1/2" Sensor:

0.4

Horizontal Field of View, 2/3" Sensor:

0.55

Magnification:

16X

Numerical Aperture NA:

0.80

Working Distance (mm):

3

Field Number (mm):

22

Parfocal Length (mm):

75

Immersion Liquid:

Water

Sensor

Maximum Sensor Format:

2/3"

Threading & Mounting

Mounting Threads:

M32 x 0.75

Regulatory Compliance

Certificate of Conformance:

[View](#)

Product Details

- Long Working Distance
- Reduced Photodamage
- Mechanically Stable Design

Nikon CFI75 Water Dipping Objectives are designed with extended working distances, providing greater flexibility and ease in sample manipulation during live cell imaging and electrophysiology experiments, without compromising image quality. The water immersion design of these objectives minimizes light scattering and heat generation within samples, reducing photodamage and preserving cell viability during prolonged live imaging sessions. With excellent IR transmission, this objective is suitable for IR-differential interference contrast (DIC) observation. Featuring Nikon standard M25 x 0.75 mounting threads, these objectives can be easily integrated into existing microscopy systems. Nikon CFI75 Water Dipping Objectives are engineered with robust mechanical construction to ensure exceptional stability and precision during extended imaging sessions, minimizing drift and maintaining consistent focus.

Note: These objectives have a parfocal length of 75mm and will not be parfocal with Nikon CFI60 series objectives.