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# 100X Water Immersion Objective, Nikon CFI60 Plan

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### General

**Model Number:**  
MRL07920

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

**Type:**  
Microscope Objective

**Style:**  
Infinity Corrected

**Manufacturer:**  
Nikon

## Physical & Mechanical Properties

0.22 **Field of View (mm):**

57.30 **Length excluding Threads (mm):**

35.5 **Maximum Diameter (mm):**

225 **Weight (g):**

## Optical Properties

N/A **Compatible Cover Glass Thickness (mm):**

0.064 **Horizontal Field of View, 1/2" Sensor:**

0.088 **Horizontal Field of View, 2/3" Sensor:**

100X **Magnification:**

1.10 **Numerical Aperture NA:**

2.5 **Working Distance (mm):**

22 **Field Number (mm):**

60.5 **Parfocal Length (mm):**

Water **Immersion Liquid:**

## Sensor

2/3" **Maximum Sensor Format:**

## Threading & Mounting

M25 x 0.75 **Mounting Threads:**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- Water Dipping Design for Live Imaging
- Optimized for Infrared (IR) and Multiphoton Microscopy
- High NA for Superior Resolution

Nikon CFI60 Water Dipping Objectives design allows direct immersion into aqueous samples, reducing optical aberrations and enabling high-resolution, live imaging of thick specimens. These objectives are designed with high numerical apertures and long working distances and are available in a variety of magnifications. Featuring M25 x 0.75 mounting threads, these objectives can be easily integrated into existing microscopy systems. Nikon CFI60 Water Dipping Objectives enable high-resolution, low-aberration imaging deep within living tissues by efficiently transmitting infrared light and correcting optical distortions specific to multiphoton and IR microscopy.

## Technical Information

