



The ibidi Immersion Oil 2 is a standard immersion liquid according to ISO 8036. It is a fluorescence-free immersion oil for high-resolution microscopy with a standard refractive index of $n_D=1.515$.

This document applies to the following product:

50102 **ibidi Immersion Oil 2**

Precautions

Use only for research purposes, not for human use. See MSDS (Material Safety Data Sheet) for this product.

Specifications

ibidi Immersion Oil 2 is a halogen-free, clear and colorless immersion oil with only a slight aromatic odor.

Optical Specifications

Refractive indices n (23 °C):	
365.0 nm (i)	1.5440
480.0 nm (F')	1.5241
546.1 nm (e)	1.5180
589.3 nm (D)	1.5150
643.9 nm (C')	1.5122
Transmission (d=10 mm, 23 °C):	
450–850 nm	>99%
365 nm	85%
310 nm	2%
Temperature coefficient Δn	-0.000376/°C
Abbe number (Dispersion)	43.8

Technical Specifications

Density (23 °C)	0.931 g/cm ³
Viscosity (23 °C)	651 mPa·s
Appearance	Optically clear
Odor	Slight, aromatic
Background	Ultra-low fluorescence background

Applications

The ibidi Immersion Oil 2 is designed to be compatible with ibidi μ -Slides, μ -Dishes and μ -Plates in combination with oil immersion lenses from various suppliers. Incompatibilities with oil immersion objective lenses are not known.

Microscopy

Dispense a small drop of immersion oil onto the oil immersion lens. Mount the sample and check for spreading of the immersion oil. If necessary, add an additional small drop onto the objective lens for imaging the next sample.

Cleaning

Clean the objective lens with lens tissue soaked with ethanol or isopropanol.

Storage

Store at room temperature. Keep dark. The date of expiration is imprinted on each bottle.



CAUTION – Do not mix with immersion oils from other suppliers. Do not reuse oil from the objective lens. Do not use with non-immersion oil objective lenses.

Waste Disposal

Dispose as halogen-free organic solvent.

For research use only!

Further information can be found at [ibidi.com](https://www.ibidi.com). For questions and suggestions, please contact us by e-mail at info@ibidi.com or by telephone at +49 (0)89/520 4617 0.

© ibidi GmbH, Lochhamer Schlag 11, 82166 Gräfelfing, Germany.