



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

Specifications

The ibidi Immersion Oil is a halogen-free mixture of ester oils. It is clear and colorless with only a slight aromatic odor.

Technical Specifications

Density (20°C)	1.1 g/cm ³
Viscosity (20°C)	445 mPa s
Color	Colorless, clear
Odor	Slight aromatic
Autofluorescence	Very, very low

Optical Specifications

Refractive indices n (23°C)	
435.8 nm (g)	1.5290
480.0 nm (F')	1.5237
546.1 nm (e)	1.5180
589.3 nm (D)	1.5151
634.8 nm (C')	1.5124
Refractive indices n (37°C)	
546.1 nm (e)	1.5128
589.3 nm (D)	1.5098
Temperature coefficient Δn	-0.00037/°C
Abbe number (Dispersion)	45.8
Transmission (d=10 mm)	
450–850 nm	>99%
365 nm	94%
330 nm	70%
310 nm	26%

Applications

The ibidi Immersion Oil is designed for the compatibility with ibidi μ -Slides, μ -Dishes and μ -Plates in combination

with oil immersion lenses from various suppliers. Incompatibilities with 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.

Do not reuse oil from the objective lens.

Do not mix with immersion oil from other suppliers.

Cleaning

Clean the objective lens with lens tissue soaked with Ethanol or Isopropanol.

Waste disposal

Dispose as halogen-free organic solvent.

Precautions

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

Storage

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

Ordering Information

Cat. No.	Description	Amount
50101	ibidi Immersion Oil: for fluorescence microscopy	1 × 15 ml

For research use only!

Further technical specifications can be found at www.ibidi.com. For questions and suggestions please contact us by e-mail info@ibidi.de or by telephone +49 (0)89/520 4617 0. All products are developed and produced in Germany.

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