



## Immersion oils

### Seven different types of immersion oils for microscopical analysis

Immersion oils are essential for routine laboratory work, especially in hematology, cytology and microbiology. They are commonly used for high magnifications in order to secure high resolution and a clear image. There are several types of immersion oils that differ according to viscosity and certain properties required by different microscopy techniques. They all have a common refractive index of 1.5150, equal to the refractive index of glass.

### BioGnost's Immersion oils properties

PRODUCT NAME	VISCOSITY @ 23°C (cSt, mPa)	COMBINING WITH OTHER TYPES OF OIL	TYPE OF MICROSCOPY
IMMERSION OIL	800-1300	Immersion oil type A Immersion oil type C	light
IMMERSION OIL TYPE A	100-300	Immersion oil Immersion oil type C	light
IMMERSION OIL TYPE C	1500-2200	Immersion oil Immersion oil type A	light
IMMERSION OIL TYPE FF	170	-	fluorescent
IMMERSION OIL TYPE 37*	1250**	-	light, for use at 37°C
IMMERSION OIL, TROPICAL GRADE***	1000-1500****	-	light, for use at 27-29°C

\* refractive index  $n_D$  at 37°C = 1.5150    \*\* viscosity at 37°C    \*\*\* refractive index  $n_D$  at tropical temperatures = 1.515    \*\*\*\* viscosity at 28°C

#### Immersion oil

Immersion oil for microscopy analysis with optimal viscosity of 800-1300 cSt.

10x10 mL	IU-1010
30 mL	IU-30
100 mL	<b>IU-100</b>
250 mL	IU-250
500 mL	IU-500

#### Immersion oil type A

Immersion oil for microscopy analysis with low viscosity of 100-300 cSt.

10x10 mL	IUA-1010
30 mL	IUA-30
100 mL	IUA-100
250 mL	IUA-250
500 mL	IUA-500

