

## Immersion oils

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

Immersion oils are mandatory for use in every laboratory, especially in hematology, cytology and microbiology. They are commonly used for high scale magnifications in order to secure high resolution and clear image of the section. There are several types of immersion oils that mutually 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.

9 Pirkimo dalis

### BioGnost's Immersion oils properties

TYPE OF IMMERSION OIL	VISCOSITY @ 23°C (cSt)	COMBINING WITH OTHER TYPES OF OIL	TYPE OF MICROSCOPY
IMMERSION OIL	600-1100	Immersion oil type A Immersion oil type C	light
IMMERSION OIL TYPE A	100-150	Immersion oil Immersion oil type C	light
CEDARWOOD OIL	1500-2200	-	light
IMMERSION OIL TYPE C	1500-2200	Immersion oil Immersion oil type A	light
IMMERSION OIL TYPE FF	170	-	fluorescence
IMMERSION OIL TYPE 37*	1250**	-	light, for use at 37°C
IMMERSION OIL, TROPICAL GRADE***	1500-2200	-	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



### Immersion oil

Immersion oil for microscopical analysis with optimal viscosity of 600-1100 cSt.

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

### Immersion oil type A

Immersion oil for microscopical analysis with low viscosity of 100-150 cSt.

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

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### Cedarwood oil

Natural immersion oil for microscopical analysis with high viscosity of 1500-2200 cSt.

100 mL	CU-100
250 mL	CU-250
500 mL	CU-500

\* in order to conserve and protect our environment, we advise using **Immersion oil type C**

### Immersion oil type C

Immersion oil for microscopical analysis with high viscosity of 1500-2200 cSt.

100 mL	IUC-100
250 mL	IUC-250
500 mL	IUC-500

\* excellent synthetic substitution for natural immersion oils, such as **Cedarwood oil**

### Immersion oil type FF

Immersion oil for microscopical analysis in fluorescence microscopy because of complete absence of fluorescence.

100 mL	IUF-100
250 mL	IUF-250
500 mL	IUF-500

### Immersion oil type 37

Immersion oil for microscopical analysis with optimal refractive index and viscosity of 1250 cSt at 37°C.

100 mL	IU37-100
250 mL	IU37-250
500 mL	IU37-500

### Immersion oil, tropical grade

Immersion oil for microscopical analysis in tropical climates with optimal refractive index at 27-29°C.

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

