**IMMERSION OIL**

In vitro diagnostic medical device

BioGnost's immersion oils for a clearer microscopic analysis

**INSTRUCTIONS FOR USE**

**Product code:**
- IU-100 (100 ml)
- IU250 (250 ml)
- IU-500 (500 ml)
- IUA-100 (100 ml)
- IUB-100 (100 ml)
- IUB-250 (250 ml)
- IUB-500 (500 ml)
- IU-100 (100 ml)
- IU-250 (250 ml)
- IU-500 (500 ml)
- IU37-100 (100 ml)
- IU37-250 (250 ml)
- IU37-500 (500 ml)

**Introduction**

Immmersion oil is used for microscopic examination of prepared samples with as much detail as possible thereby contributing to a safer diagnostic conclusion. Refractive index of BioGnost's immersion oils is equal to refractive index of cover glass and glass slide. Add one drop of BioGnost's immersion oil on the cover glass, then immerse the immersion objective. Since the rays of light are passing through from the sample to the objective through the same refractive index media, they are not refracted, so the image of the sample looks clearer and with much more details.

**Product description**

- **IMMERSION OIL (IU-100, IU-250, IU-500)** – Immersion oil for a clearer microscopic analysis, in compliance with the ISO 8036 standard. Its characteristics include an ideal refractive index \( n_\text{D} = 1.5150 \) and viscosity value of 600-800 cSt. Ideal for mixing with BioGnost's immersion oils types A, B and NVH.

- **IMMERSION OIL TYPE A (IUA-100, IUA-250, IUA-500)** - Immersion oil in compliance with the ISO 8036 standard. Its very low viscosity value of 150 cSt makes it ideal for simple use. Ideal for mixing with BioGnost's Immersion Oil and immersion oils types B and NVH for accomplishing various viscosity values.

- **IMMERSION OIL TYPE B (IUB-100, IUB-250, IUB-500)** - Immersion oil in compliance with the ISO 8036 standard. Its viscosity value is 1250 cSt. Ideal for mixing with BioGnost's Immersion oil and immersion oils types A and NVH for accomplishing various viscosity values.

- **IMMERSION OIL TYPE NVH (IUN-100, IUN-250, IUN-500)** - Immersion oil in compliance with the ISO 8036 standard. Its very high viscosity value of 21,000 cSt makes it ideal for invert microscopy use. Ideal for mixing with BioGnost's Immersion oil and immersion oils types A and B for accomplishing various viscosity values.

- **IMMERSION OIL TYPE FF (IU-100, IU-250, IU-500)** - Immersion oil for use in fluorescent microscopy.

- **IMMERSION OIL TYPE 37 (IU37-100, IU37-250, IU37-500)** - Immersion oil ideal for use at high temperature. Ideal refractive index and optimal viscosity value of 1250 cSt are achieved at 37 °C.

- **CEDARWOOD OIL (CU-100, CU-250, CU-500)** – Immersion oil based on natural resin in compliance with the ISO 8036 standard. Its characteristics include an ideal refractive index \( n_\text{D} = 1.5150 \) and viscosity value of 1500-2200 cSt.

**Product use**

Place the glass slide with the microscopic sample and cover glass on the microscope's stage. Locate the area you wish to observe by using the high magnification objective lens (40x). Without adjusting the coarse focus knob, move away the objective lens from the previous area and add a drop of BioGnost's immersion oil onto the cover glass directly above the point of observation, that is, in the middle of the illuminated area. Immerse the immersion objective with magnification factor of 100 (most commonly marked with a black ring) into the drop of immersion oil. Focus using the fine focus knob. Clean the objective and cover glass using xylene or gasoline.

**Safety at work and environmental protection**

Handle the product in accordance with safety at work and environmental protection guidelines. Used medical products and out of date products should be taken care of as a special waste in accordance with national guidelines. Chemicals used in this procedure could pose danger to human health. Tested tissue specimens are potentially infectious. Necessary safety measures for protecting human health should be taken in accordance with good laboratory practice. Act in accordance with signs and warnings notices printed on the product's label, as well as in BioGnost's material safety data sheet.

**Storing, stability and expiry date**

Keep immersion oils in a tightly sealed original package at temperature between 15 °C and 25 °C. Do not keep in cold places, do not freeze and avoid exposing to direct sunlight. Date of manufacture and expiry date are printed on the product's label.

**References**


**Instructions IU-100 CU-500 version 4 17 June 2014. Approved by: VIT**

- Refer to the supplied documentation
- DO NOT超過 recommended storage temperature range
- Keep away from heat and sunlight
- Numbers of tests in package
- Valid until
- Lot number
- Manufacturer
- European Conformity
- BIOGNOST Ltd. Medgarska 59 100040 Zagreb
- Croatia
- www.biognost.com