

## Compact devices Regula 10XX



**Regula compact devices are intended for express authenticity verification and advanced examination of passports, ID cards, travel documents, visa stamps and seals, including but not limited to entry permits, banknotes, driver's licenses, vehicle registration certificates and other vehicle related documents, signatures and handwriting fragments, revenue and special stamps, securities and other documents with security features.**

**The devices enable to detect main security features in printing, compare sizes of objects, control the width of typographic lines, detect mechanical and chemical alterations in document structure, examine documents in transmitted light.**

Regula 10XX are compact devices constructed in a shockproof plastic body. The devices are powered by two batteries. All models are equipped with a diopter adjustment ring. The illumination modes are easily switched using the control elements on the side panel of the device.

Certain models are supplied with a measuring scale for estimating geometrical parameters of examined objects. Regula 10XX can be optionally supplied with a special Cordura case for fixing the device on the waist belt.

The compact devices can be used as separate authenticity verification devices or can be supplied with other Regula devices extending their functionality.

## **Models**

### **Regula 1010**

- Magnification — 10 times
- Document examination under white light
- Document examination under UV illumination — 365 nm
- Micro-USB slot for charging

### **Regula 1011**

- Magnification — 10 times
- Document examination under white light
- Document examination under UV illumination — 365 nm
- Detection of retroreflective protection
- Micro-USB slot for charging

### **Regula 1013**

- Magnification — 10 times
- Document examination under white light
- Document examination under UV illumination — 365 nm
- Detection of Anti-Stokes luminescence
- Micro-USB slot for charging

### **Regula 1019**

- Magnification — 10 times
- Document examination under white light
- Document examination under UV illumination — 254, 313, 365 nm
- Detection of retroreflective protection
- Detection of Anti-Stokes luminescence
- Micro-USB slot for charging

### **Regula 1019-15**

- Magnification — 15 times
- Document examination under white light
- Document examination under UV illumination — 254, 313, 365 nm
- Detection of retroreflective protection
- Detection of Anti-Stokes luminescence
- Micro-USB slot for charging

## **Regula 1021**

- Magnification — 10 times
- Document examination under white light
- Document examination under UV polarized light — 365 nm

## **Regula 1025**

- Magnification — 10 times
- Document examination under white incident light
- Document examination under white oblique light
- Document examination under UV illumination — 254, 313, 365, 400 nm
- Detection of retroreflective protection
- Detection of Anti-Stokes luminescence
- Holographic security elements examination, OVD visualization
- Document examination under interchangeable white/UV light
- Micro-USB slot for charging

## **Regula 1025-15**

- Magnification — 15 times
- Document examination under white incident light
- Document examination under white oblique light
- Document examination under UV illumination — 254, 313, 365, 400 nm
- Detection of retroreflective protection
- Detection of Anti-Stokes luminescence
- Holographic security elements examination, OVD visualization
- Document examination under interchangeable white/UV light
- Micro-USB slot for charging

## **Regula 1029-15**

- Magnification — 15 times
- Document examination under white incident light
- Document examination under white oblique light
- Document examination under white spot light
- Document examination under UV illumination — 365, 400 nm
- Detection of Anti-Stokes luminescence
- Holographic security elements examination, OVD visualization
- Detection of radio frequency identification devices (RFID)
- Built-in Li-pol battery with micro-USB slot for charging

## **Application**

- Law enforcement authorities
- Border control and immigration services
- Customs authorities
- Banking Institutions
- Visa support agencies, consulates, notary offices
- Other agencies and organizations authorized to check documents

## **Delivery set**

- Measuring scale for **Regula 10XX.01 and Regula 10XX.01-15**
- 2 batteries of AAA type for models **Regula 1010, 1011, 1013, 1019, 1019-15, 1021**; 2 rechargeable batteries of AAA type for model **Regula 1025 and Regula 1025-15**
- Optionally:
  - special case for fixing the device on the waist belt
  - 2 rechargeable batteries of AAA type for models **Regula 1010, 1011, 1013, 1019, 1019-15, 1021**

Functionality			Model						
			1010	1011	1013	1019	1021	1025	1029
Light sources	White	incident	+	+	+	+	+	+	+
		oblique						+	+
		for OVD visualization						+	+
		coaxial		+		+		+	
		spot							+
	Interchangeable white/ultraviolet							+	
	Ultraviolet, nm	254				+		+	
		313				+		+	
		365	+	+	+	+		+	+
		400						+	+
		polarized 365					+		
High-intensity IR 980 nm				+	+		2 modes	+	
Detector of radio frequency identification devices (RFID)								+	

Optical parameters	Model	
	10XX	1019-15, 1025-15, 1029-15
Magnification, times	10	15
Field of view (diameter), mm	20 ± 2	12 ± 2
Diopter adjustment, dptr	±2	±2

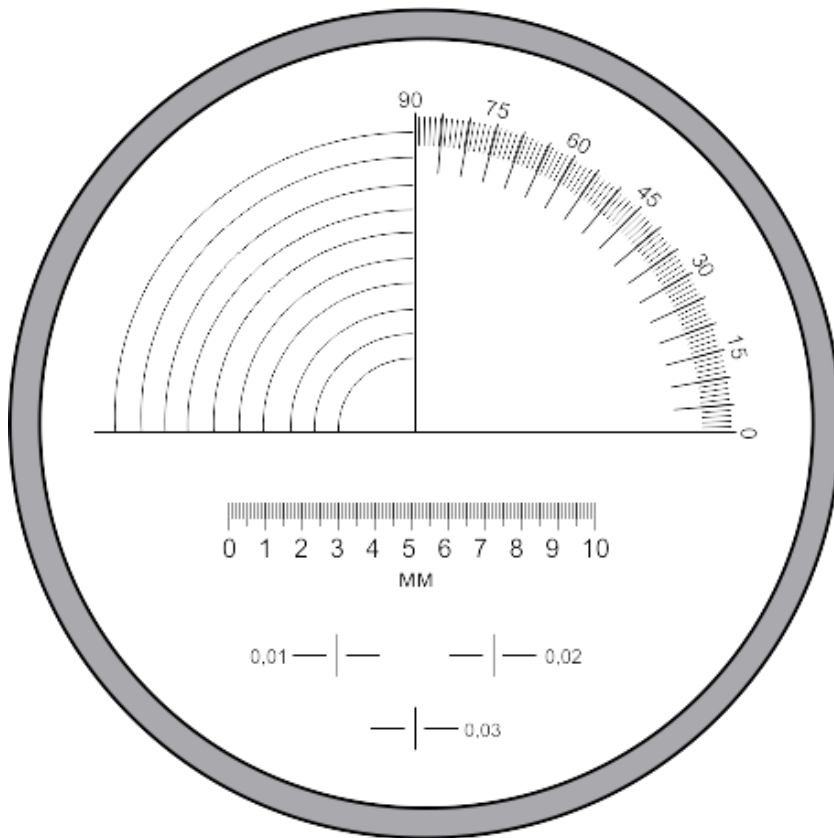
Dimensions (length×width×height), mm — 96×53×58

Weight (without power supply elements), kg, max — 0,15

Power supply elements:

- AAA type — 2 pieces for models **Regula 1010, 1011, 1013, 1019, 1021, 1025**
- built-in Li-pol battery for model **Regula 1029-15**

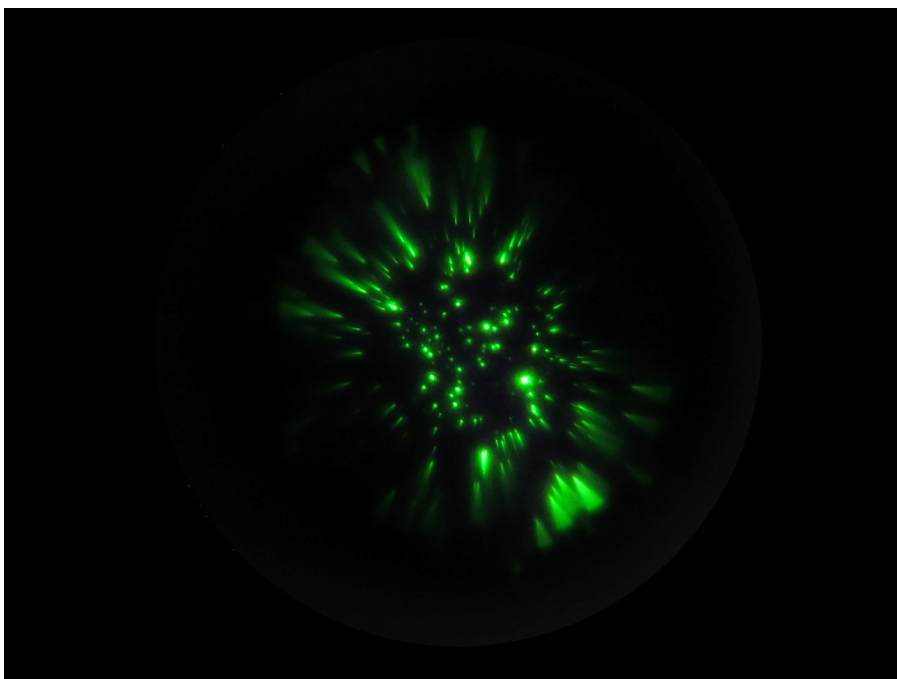
Measuring scale for **Regula 10XX.01** and **Regula 10XX.01-15**



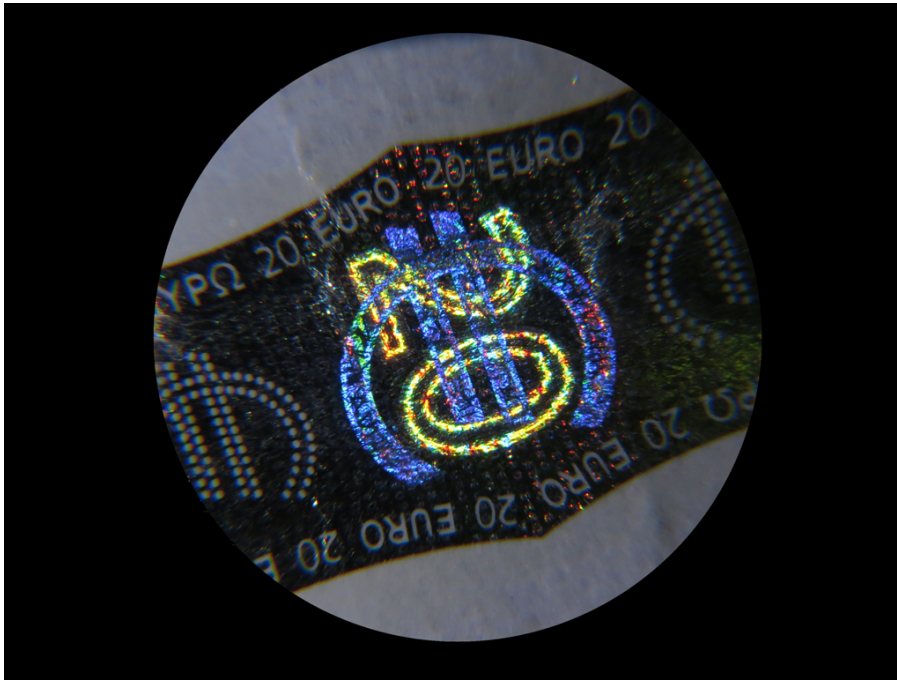
- Linear scale, mm — 0-10
- Linear scale division, mm — 0,1
- Angular scale — 0-90°
- Angular scale division — 1°
- Radial scale, mm — 1-10
- Radial scale division, mm — 1
- Reference lines width, mm — 0,01; 0,02; 0,03



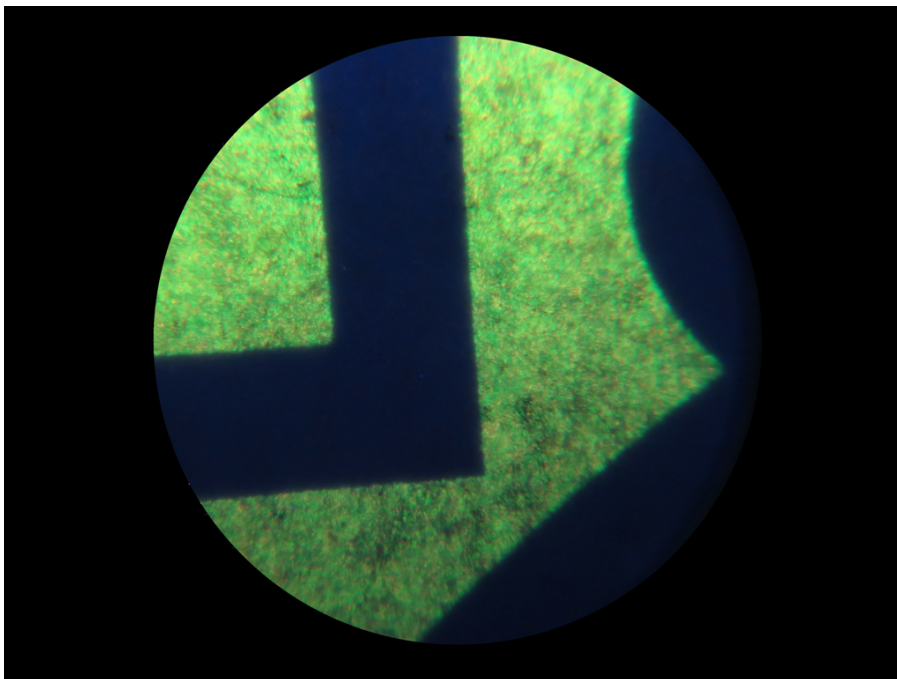
Regula 1025 on a banknote



Anti-Stokes protection

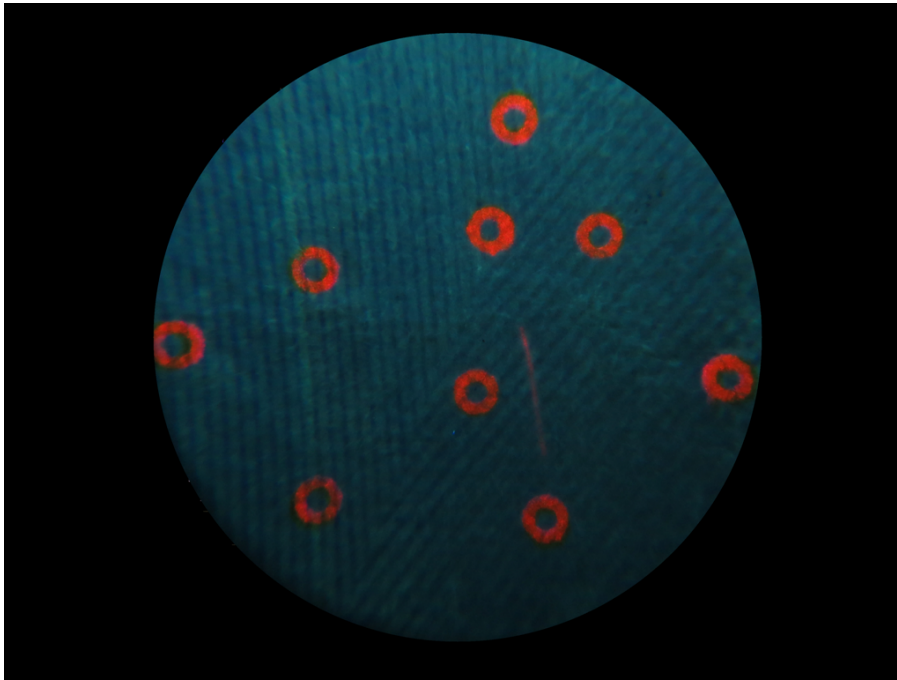


OVD visualization

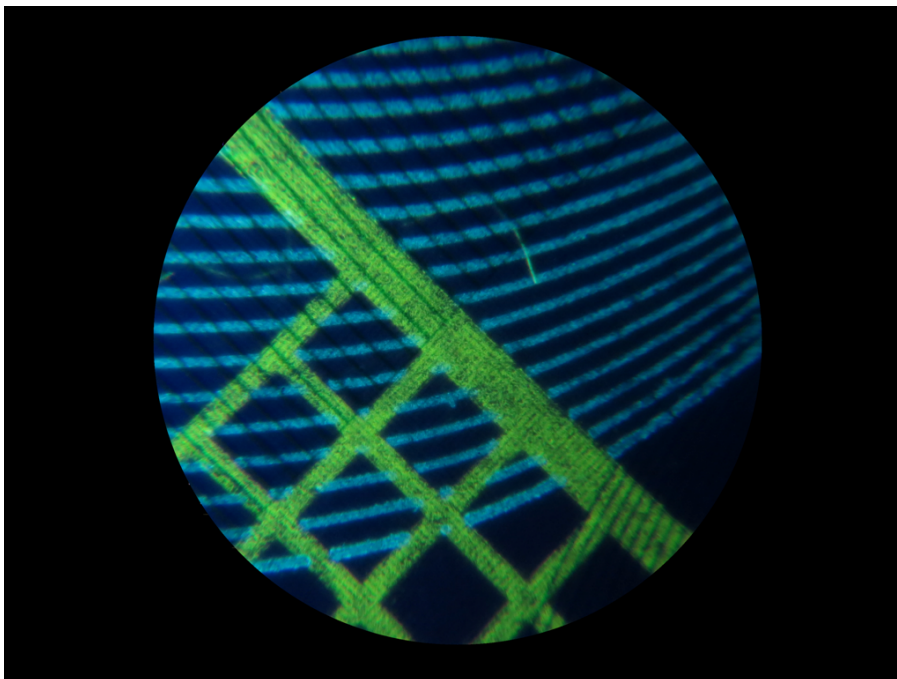


Examination in ultraviolet spectral range – 254 nm

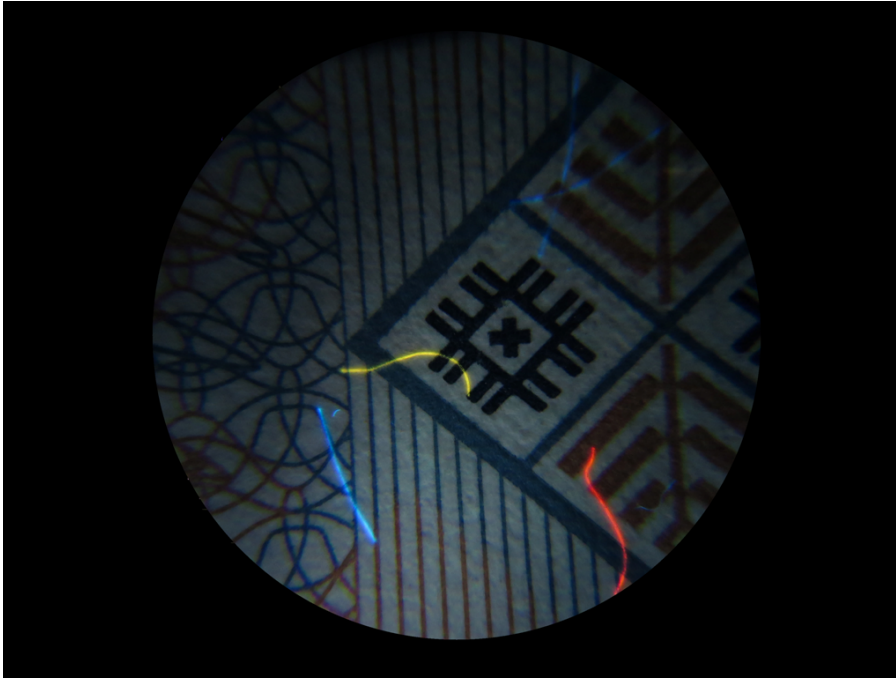




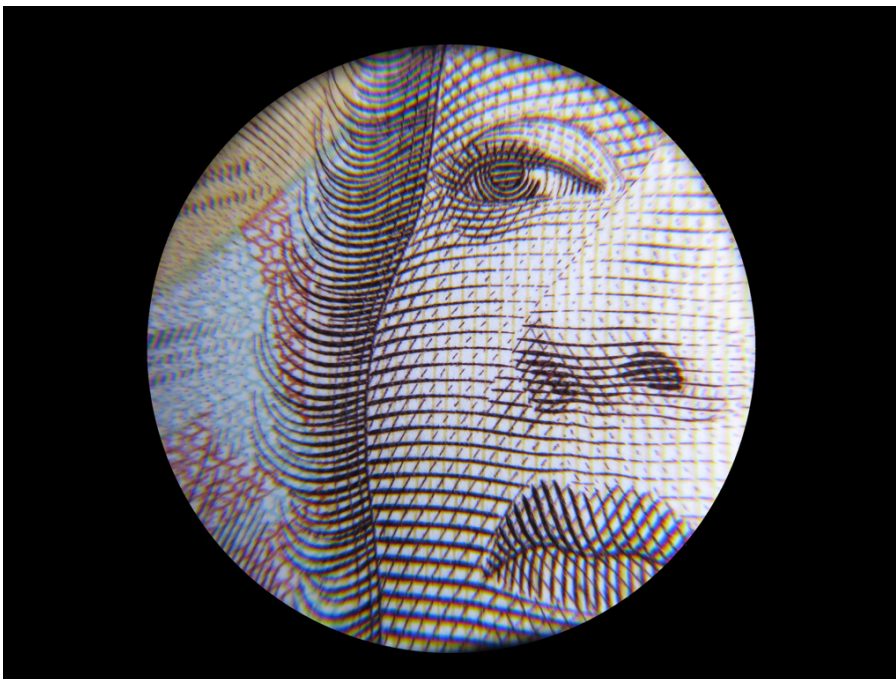
Examination in ultraviolet spectral range - 313 nm



Examination in ultraviolet spectral range - 365 nm



Examination in ultraviolet spectral range - 400 nm



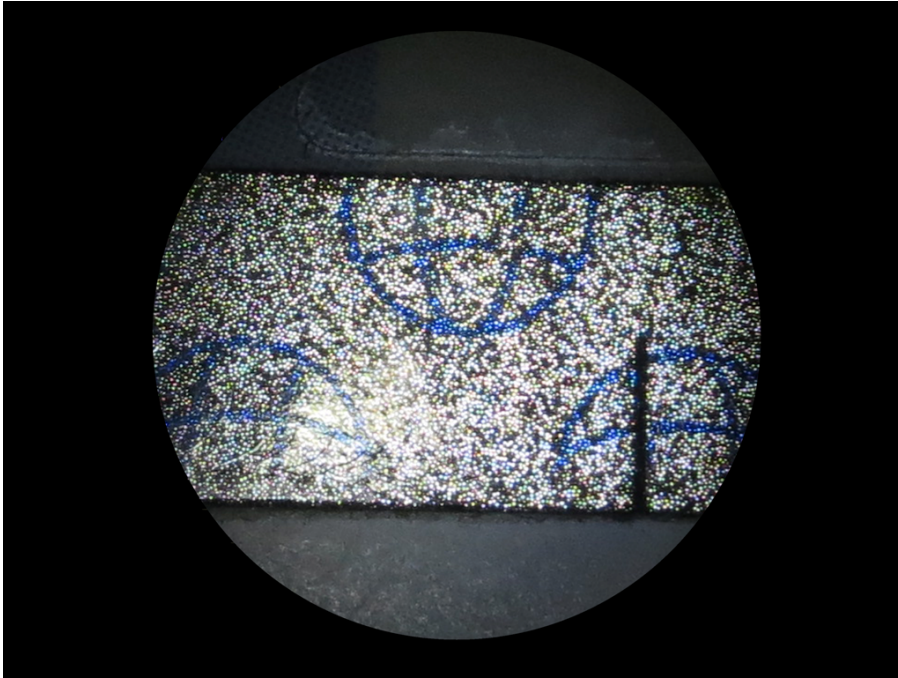
White top light



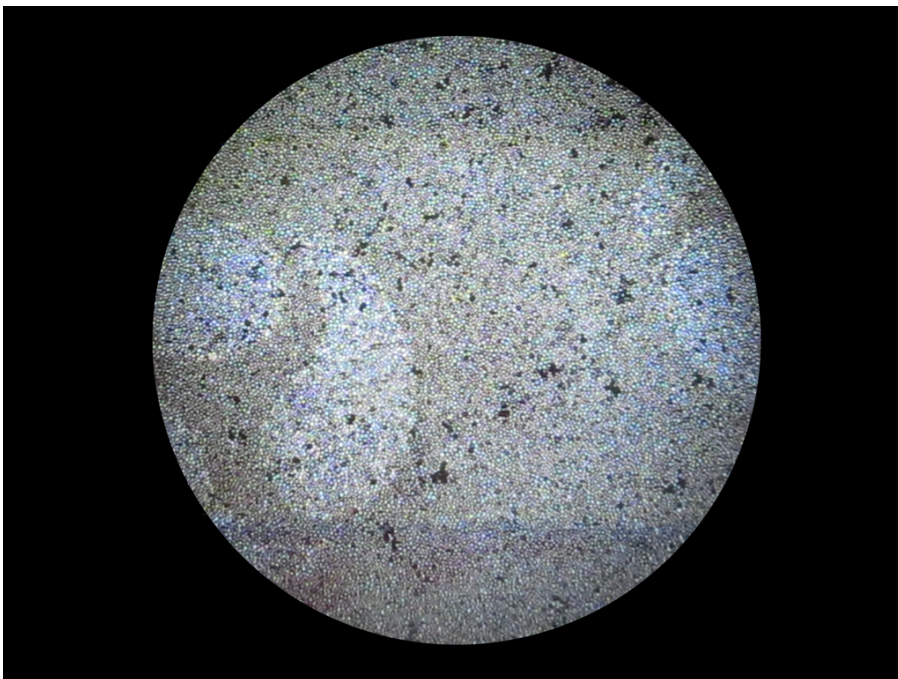
White oblique light



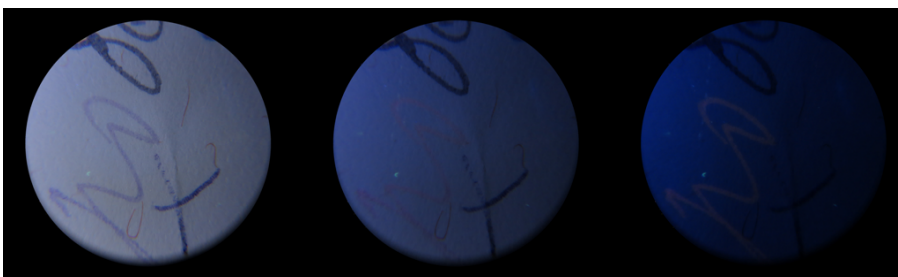
White oblique light



Retroreflective protection



Retroreflective protection



Interchangeable white/ultraviolet light