Set up blood tests according to Enderlein

Figure – Set up blood tests according to Enderlein

- The MBL4000-T-B-LED can be used to perform blood tests according to Enderlein. What you need is a strong light source, a good dark-field condenser and a 100X objective with an iris diaphragm.
  ➲ The dark-field condenser and the 100X objective with iris diaphragm are only included with the MBL4000-T-B-LED model.

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⇨ *Procedure*

1. Replace the 100X objective in the revolving nosepiece with the **100X objective with iris diaphragm (1)**.

➲ The 100X objective with iris diaphragm has an imprint with **B ↔ D**, for **B – bright-field** and **D – dark-field**. The lower **knurled wheel (2)** can be used to fully open **(B)** or close **(D)** the iris diaphragm.

✓ The correct objective for the Enderlein blood test is screwed in.

2. Replace the condenser with the **dark-field condenser (3)**.

✓ The correct condenser for the Enderlein blood test is inserted.

⇨ *Result*

The microscope is set up for blood testing according to Enderlein

The following should be taken into account when performing the Enderlein blood test:

- The 100x objective with iris diaphragm is used, therefore it is necessary to microscopy with immersion oil on the specimen.
- Do not add immersion oil to the dark-field condenser.
- Before the 100x objective with iris diaphragm is swivelled in, the correct position of the condenser must first be set using a smaller magnification.
- To perform dark-field microscopy, the iris diaphragm of the 100X objective must be closed until the change from bright-field to dark-field is clearly visible in the microscope image.