



Microscope Nexcope NE610

Catalog number: NE610

Supplier's symbol: DO-8600

Application:

- Education
- Universities
- Laboratories
- Medicine
- Veterinary
- Research

A modern biological microscope used in research in veterinary medicine, bacteriology, immunology, pharmacy and other scientific fields, in analytical laboratories. It is equipped with a trinocular cap that allows you to connect any microscope camera with a C-mount mount, in an independent observation track. Tubus trino is height adjustable, allowing you to focus on the camera sensor and glasses. The microscope has an infinity-corrected optical system with precise micro / macro focus adjustment and a wide field of view of the glasses up to 22 mm.

The device is equipped with high-quality plan achromatic lenses, offering a very detailed image. The 40x lens, with a longer working distance - 1.5 mm, avoids accidental contamination when working with immersion liquids.

The large table is very practical and user-friendly. It has hidden gears and moves in relation to the tripod only in the Y axis, thanks to which valuable space is saved on the sides of the microscope. The holder allows you to mount two specimens at once and compare them quickly.

Thanks to the use of LED lighting (high brightness and long service life), we obtain cold white light that does not heat up the microscope and the preparation. This is especially useful for very long, uninterrupted observations.

Microscope A wide range of optional accessories makes it possible to use advanced observation techniques: dark field observation, simple polarization.

Technical parameters in standard configuration:

- 10x / 22mm wide field glasses.
- Siedentopf trinocular head, tilted 30° with tube regulation in the range of 47-78 mm, light division 50/50, rotatable 360°.
- Third optical path, with the possibility of adjusting the distance of the sensor from the plane of the preparation (magnification factor 0.5x).
- Infinity corrected lenses, 45 mm optical length, plan achromatic lenses: 4x NA 0.1, 10x NA 0.25, 40x NA 0.65 LWD 1.5 mm, (cushioned), 100x NA 1.25 (cushioned, oil).
- 5-cavity revolver bowl, facing to the rear.
- Mechanical stage, dimensions: 185 x 142 mm, with a range of motion of 78 x 54 mm, with a holder for two specimens.
- Abbe type NA 1.25 condenser with height adjustment, graduated, iris diaphragm aperture diaphragm, centering mechanism, filter slot (30 mm) and the possibility of attaching the clip for bright and dark field observation.
- Focusing system: coaxial macro and micro knobs. Coarse movement - 37.7 mm per revolution. Fine movement - 0.2 mm per revolution. Graduation division: 0.002 mm. Range of motion - 28 mm.
- The mechanism of quick lock of the upper position of the table (knob on the right micro focusing knob) and the mechanism of setting the permanent lock using an Allen key.
- Bright 1W LED lighting with long service life.

Possibility of expansion with other elements or construction in a different configuration, including:

- 100x NA 1.10 plan achromatic objective with water immersion.
- Plan achromatic objective 60x NA 0.80.
- Plan achromatic objective 20x NA 0.40.
- Clip for light and dark field mounted in the condenser.
- Simple polarization kit.
- Photo adapter with 1x magnification factor (for cameras with a sensor greater than 1 / 1.7 ").
- 23.2 mm photo attachment.

SPECIFICATION

Supplier's symbol:	DO-8600
Dioptr adjustment:	+/- 5D in both tubes
Application:	<ul style="list-style-type: none"> • Education • Universities • Laboratories • Medicine • Veterinary • Research
Correction:	for infinity
Lighting source:	LED
Pupil distance:	47-78 mm
Lenses:	<ul style="list-style-type: none"> • 4x • 10x • 40x • 100x
Focus adjustment:	micro / macro
Lighting:	passing
Microscope table:	185 x 142 mm
Head:	trinocular
Objective revolver:	five-lens
The mechanism of the preparation advance:	<ul style="list-style-type: none"> • for two preparations • range of motion 78x54 mm • with a vernier
Focus adjustment knobs:	<ul style="list-style-type: none"> • two-sided • coaxial • with blockade of the upper table position • with adjustable clamping force
Condenser:	Abbe NA 1.25
Equipment:	<ul style="list-style-type: none"> • antistatic dust cover • power cable • Allen keys for adjustment and assembly • Polish-language instruction manual
Observation technique:	Clear field
optics class:	achromatic plan
Expandability:	<ul style="list-style-type: none"> • dark field • polarization
Microscope magnification:	<ul style="list-style-type: none"> • 40 x • 100 x • 400 x • 1000 x
Eyepiece Magnification:	10 x



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