



# ROMI – Research Grade Biological Microscope

Binocular / Trinocular

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Catalogue



ROMI 520 Biological Microscope is kind of cost-effective, advanced, laboratory microscope, most applied in the field of medicine, clinical and biology research. This type of microscope can be supplied with refocus stage. Equipped with universal infinity independent plan achromatic optical system, chromatic aberrations and curvature of field are both ideally corrected over the field of view. And the COLO objectives own higher NA's producing crisp, clear images with minimal flare. Mechanical table with rounded edges (quartz glass is optional).

High eye point, Wide field of view eyepiece, and its diopter is adjustable. Standard 10X eyepieces view-field can be chosen between 20mm and 22mm. And high eyepoint eyepiece with the distance up to 21mm view-field can bring you wider vision and more comfortable feeling.

Optics System: Infinity Independent Plan Achromatic Optical System F=200mm Viewing Head : Siedentopf binocular tube, Interpupillary distance 50~75mm, 30°/45° inclined, 360° rotatable, diopter adjustable.

Option:

Trinocular tube, COLO Microscope cameras

Phase contrast with positive or negative objective

Multi-purpose contrast condenser

Dark field condenser



Integrated carry handle  
with power cord wrap

USB Charging Port, Support To Use External Rechargeable Battery Power Bank Like Mobile Phone, camera.. Out Door Freely  
HDMI is optional

Built in control panel  
Light Manager



## Upright Microscope

Handle for easy one-handed portability



## Koehler Illumination

with adjustable Koehler field diaphragm



## Nosepiece

Revolving and reversed type nosepiece for 4/5 objectives



## Objectives

Infinity Plan Achromatic Objectives



## Light source

3 W LED or 20/30W tungsten-halogen\* lamp with adjustable constant intensity light control. Energy saving – programing switch off up to 2 hour inactivity. Switch off button (front side)

ROMI Is compact, maintenance free, economical microscope, excellent solution for Educational life science, Clinical Laboratory.

- Bright field/Dark field, transmitted light
- Integrated Carry Handle
- Coaxial X-Y axis right hand mechanical stage, 0,1mm division
- High quality optical system infinity corrected Standard DIN 160mm
- Microscope full metal body, provide stability of instruments.
- Diaphragm can be color coded (for all objectives) in order to make work easier (on demand)
- Fine and Coarse Coaxial Focusing Block, Microscope Stage is full made from metal parts to provide accurate and durable exploitation
- Antimicrobial/Antifungal Coating
- The optical system is treated with anti-fugal paint
- Binocular/Trinocular head with one or two adapters for height adjustment (optional)
- Control knob with Tension
- Two sided fine and coarse focusing
- Fine focus: 0,2mm
- Coarse focus: 37,7mm
- Integrated carry handle
- Mechanical stage with micrometre on X and Y
- Eyepiece: WF10X20
- QR code scanning linked to the user manuals,
- Condenser: Abbe Condenser NA1.25 with Iris Diaphragm 45mm with filter holder for contrast sliders (phase contrast, darkfield, compensator, fly-eye lens) for all magnification and light intensity, high levelling, centering
- Viewing Head: 30° Inclined and 360° rotating (Adjustable head 10° to 45° is optional)
- Dioptres Adjustment (for both eyepiece)
- Chemical resistance coating



### FOCUSING

- Supplied with an adjustable rack stop to prevent damage to sample and objectives.
- The coarse adjustments are equipped with friction control

### ILLUMINATION

- 3 W adjustable LED illumination 6000K temp 28.000 h life a full intensity or 20/30W tungsten-halogen\* lamp, with 100-240 ` optional)
- The innovative design offer larger apertures, allowing the optical system of the microscope to produce images at higher resolut limit of the optics.
- Other benefit is the low energy consumption, no heating and a long operating lifetime
- Colour temperature of Tungsten-Halogen lamp is 3.200K

Specifications: ● - Standard Configuration ○ - Optional configuration      Adjustable Microscope Binocular head 10 ° to 45 °



ion

ROMI-520	520 BL	520 BHPA	520 BLPA	520 THPA	520 BHPH	520 THPH	520 BHUD	520 THUD	520 BH	520 BTPA
Binocular, Interpupillary distance 48-75mm	●	●	●	○	●	○	●	○	●	○
Trinocular, Interpupillary distance 48-75mm (20:80)	○	○	○	●	○	●	○	●	○	●
Trinocular, Interpupillary distance 48-75mm (50:50)	○	○	○	○	○	○	○	○	○	○
High eye-point plan eyepiece WF10X/18	○○	○○	○○	○○	○○	○○	○○	○○	○○	○○
High eye-point plan eyepiece WF10X/20	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Plan eyepiece WF16X/13	○○	○○	○○	○○	○○	○○	○○	○○	○○	○○
High eye-point plan eyepiece WF10X/18 (Pointer)	○		○	○	○	○	○	○	○	○
High eye-point plan eyepiece WF10X/22	○	○	○	○	○	○	○	○	○	○
Reticule Eyepiece, Cross WF10X/18	○	○	○	○	○	○	○	○	○	○
Infinity Achromatic Objective 4X N.A.0.10 WD 190mm	●	○	○	○	●	●	●	●	●	○
Infinity Achromatic Objective 10X N.A. 0.25 WD 12mm	●	○	○	○	●	●	●	●	●	○
Infinity Achromatic Objective 40X(S) N.A.0.65 WD 0,36mm	●	○	○	○	●	●	●	●	●	○
Infinity Achromatic Objective 100X(S)/(Oil) N.A. 1.25 WD 0,13mm	●	○	○	○	●	●	●	●	●	○
Infinity Plan Achromatic Objective 2X	○	○	○	○	○	○	○	○	○○	○
Infinity Plan Achromatic Objective 4X	○	●	●	●	○	○	○	○	○	●
Infinity Plan Achromatic Objective 10X N.A. 0,25 W.D. 6,7 mm	○	●	●	●	○	○	○	○	○	●
Infinity Plan Achromatic Objective 40X (S) N.A. 0,65 W.D. 0,6mm	○	●	●	●	○	○	○	○	○	●
Infinity Plan Achromatic Objective 60X (S) N.A. 0,80 W.D. 0,25mm	○	○	○	○	○	○	○	○	○	○
Infinity Plan Achromatic Objective 100X (S) (OIL) N.A. 1,25 W.D. 0,14mm	○	●	●	●	○	○	○	○	○	●
Centring Eyepiece	○	○	○	○	●	●	○	○	○	○
Infinity Achromatic Objective 4X N.A.0.13	○		○	○	●	●	○	○	○	○
Infinity Ach. Phase-Contrast Objectives (Positive) 10X	○	○	○	○	●	●	○	○	○	○
Infinity Ach. Phase-Contrast Objectives (Positive) 40X (S)	○	○	○	○	●	●	○	○	○	○
Infinity Ach. Phase-Contrast Objectives (Positive) 100X (S) (Oil)	○	○	○	○	●	●	○	○	○	○
Plan Dis Phase-contrast Condenser	○	○	○	○	●	●	○	○	○	○
Plan Dis Phase-contrast Condenser (with 10X /40X dark field function)	○	○	○	○	○	○	○	○	○	○
COLO Microscope camera with software according customer demand	○	○	○	○	○	○	○	○	○	○
Mechanical Stage, right handed, 142X135mm, movement range 76X30mm with slide holder up to 2 pcs	●	●	●	●	●	●	●	●	●	●
Mechanical Stage, right handed, 156X138mm, movement range 76X30mm with slide holder	○	○	○	○	○	○	○	○	○	○
Reckless Stage, right handed, 185X177mm, movement range 75X50mm	○	○	○	○	○	○	○	○	○	○

Quadruple Nosepiece, inward facing	●	●	●	●	●	●	●	●	●	●
Quintuple Nosepiece, inward facing with Click Stop	○	○	○	○	○	○	○	○	○	○
Abbe Condenser 0,1-1,25, with slot for contrast slides (dark field, phase contrast, compensator...)	●	●	●	●	●	●	●	●	●	●
Kohler Illuminator (With field diaphragm)	●	●	●	●	●	●	●	●	●	●
Kohler Illuminator (No field diaphragm)	○	○	○	○	○	○	○	○	○	○
6V 20W Tungsten-Halogen Lamps	○	●	○	●	●	●	●	●	●	●
6V 30W Tungsten-Halogen Lamps	○	○	○	○	○	○	○	○	○	○
3W LED Electric Device (with Rechargeable Batteries)	○	○	○	○	○	○	○	○	○	○
3W LED Electric Device	●	○	●	○	○	○	○	○	○	○
0.5X C-Mount	○	○	○	○	○	○	○	○	○	○
1X C-Mount	○	○	○	●	○	●	○	●	○	○
0,65X C-Mount	○	○	○	○	○	○	○	○	○	○
HDMI	○	○	○	○	○	○	○	○	○	○
USB charging port	○	○	○	○	○	○	○	○	○	○
Adapter for Nikon DSLR	○	○	○	○	○	○	○	○	○	○
Adapter for Cannon DSLR	○	○	○	○	○	○	○	○	○	○
Protection against unauthorized eyepiece and lens disassembly	○○	○○	○○	○○	○○	○○	○○	○○	○○	●●
Blue Filter (φ32)	○	●	○	●	●	●	●	●	●	●
Green Filter (φ32)	○	○	○	○	○	○	○	○	○	○
Yellow Filter (φ32)	○	○	○	○	○	○	○	○	○	○
Adjustable Microscope Binocular head 10 ° to 45 °	○	○	○	○	○	○	○	○	○	○
250V/3.15A Φ5X20 fuse	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
6V 30W Tungsten-Halogen lamp	○	○	○	○	○	○	○	○	○	○
6V 20W Tungsten-Halogen lamp	○	○	○	○	○	○	○	○	○	○
3W Led Lamp	○	○	○	○	○	○	○	○	○	○
Immersion Oil 10ml	●	●	●	●	●	●	●	●	●	●
User manual	●	●	●	●	●	●	●	●	●	●
Dust Cover	●	●	●	●	●	●	●	●	●	●
Dimension (W*D*H) 200 x 240 x 380mm	●	●	●	●	●	●	●	●	●	●
Weight (kg) 5,5	●	●	●	●	●	●	●	●	●	●
Energy consumption 3W	●	●	●	●	●	●	●	●	●	●
φ2mm Allen screwdriver	●	●	●	●	●	●	●	●	●	●
Power Cord	●	●	●	●	●	●	●	●	●	●

Please note

If this Microscope does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.