

Lotus MCX51 (Microscopes)



Routine clinical microscope with brilliant ICO² Plan infinity optics and advanced LED system

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Description

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Key Features

- ADVANCED LED system
- Ergonomic ARCTYPE Tube
- SMART SENSE System
- Rackless stage/Sliding stage
- Multi-system condenser

AVAILABLE VERSIONS

ECO 4/10/40/100, rackless stage

ECO PLUS 4/10/40/100, rackless glass stage

Overview

Life science microscope equipped with premium features. MICROS AUSTRIA sets up a new standard in routine clinical microscopes. The infinity corrected optics at a high level standard provide rich in contrast and clear images. Infinity ICO² Plan objectives are included as standard.

Optics and illumination system

Optics

Observing objects with incredible color and sharpness through the whole field of view. The "PURE" ICO² Plan infinity corrected objectives create bright and clear images with convincing depth and contrast and set new standards for optics in this class

Standard magnification range



ECO Version: 40 - 1000x

ECO PLUS version: 40 - 1000x

ADVANCED LED lighting system

MICROS brand-new state of the art LED optical lighting system ensures a bright and homogenous illumination of the whole object while saving energy at the same time. With a lot less energy consumption and at the same time the much brighter intensity of the LED, this system is the future in premium quality LED lighting.



Ergonomic ARCTYPE tube

To create a comfortable working position Lotus MCX51 offers as standard a binocular ARCTYPE tube. With the possibility to set the eyepieces in two different positions, small and tall users can have an ergonomic posture for long working hours without getting tired. With the interpupillary distance (48-75 mm) and the diopter adjustment the eyepieces easily fit to every user. Eyepieces are suitable to spectacle wearers without any need of additional eyecups.

SMART SENSE - Clever energy saving



Lotus MCX51 also features our new and clever SMART SENSE system. The infrared sensing device is located in the base on the front. It senses movement and when there is no movement in front of the microscope for 15 minutes, the SMART SENSE system shuts down the illumination automatically.

Quadruple nosepiece

The reversed angle nosepiece is designed for 4 objectives. A rear-facing nosepiece creates more space on the stage and a perfect sight onto your specimen for much easier handling.



Stages

Lotus MCX51 gives you three choices of specimen stages; a rackless stage, a rackless glass stage or a sliding stage

Rackless stage

ECO version offers a rackless stage which is another feature that gives pleasure working with this microscope. The missing rack eliminates the risk of injuries to the hand.



Rackless glass stage

ECO PLUS version offers an additional feature to the ECO version rackless stage. Our unique glass stage. An exchangeable, ultra-hardened and frosted glass plate which is resistant against scratches and chemical fluids. The extra-safety glass and finish-machined edges guarantee safe and aesthetic work.



Multisystem-Condenser

Abbé Brightfield condenser with aperture iris diaphragm nA 1.25. The scale for each objective ensures a quick preset for an optimal viewing result. The available slot on the condenser allows an easy upgrade of the microscope. Sliders are available for BF/DF, BF/PH and BF/DF/PH attachments (optional)



Ergonomic and secure

Focusing

The coaxial coarse and calibrated fine focus controls are located on the right and on the left side of the microscope base. With the standard autofocus stop unit collisions between the objective and the specimen are prevented which avoids possible damage of both. The built in tension adjustment controls the mobility of the coaxial coarse. Ergonomic arrangements of all the control elements ensure an effortless operation.

Safety ON/OFF device

The power switch is combined with the brightness adjustment for protecting the eyes. In order to turn the device off, the brightness adjustment

has to be on the lowest position. With the safety rotary control device no harm can come to the eyes of too bright light at full power while turning on the microscope.

Anti-Fungus Treatment

Working in hot and humid climate is no problem for the Lotus MCX51. Thanks to a special Anti-fungus treatment which is provided for the optical system no damage will come to the optics and the picture stays bright and clear.

The space-saving construction makes it possible to work in tight spaces and as a solid lightweight it makes it easy to transport and store. As an option we offer an alu case for secure transportation.

Lotus MCX51 - MICROS AUSTRIA newest model - impresses with innovative and well-known features made for long term use while offering a reasonable price-performance ratio.