

Laxco Microscope Systems

For Clinical Applications

SeBa™ Digital Imaging Systems

LMC Series Upright Microscopes

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***SeBA™**
by LAXCO Inc.

Microscopy Refocused

SIMPLE, SEAMLESS INTEGRATION

- **View**

Comfortably view live and captured images on the large touchscreen display or project them to a screen via HDMI

- **Capture**

Quickly capture images and upload them to the SeBaShare™ cloud or save to a USB drive

- **Collaborate**

Our secure SeBaShare cloud allows users to easily share images with colleagues, labs, and collaborators anywhere online



*SEBA™ 3 ROUTINE CLINICAL



BRIGHTFIELD



KEY FEATURES

- 5-position objective nosepiece
- 9.7" full retina touchscreen display
- 5MP color camera
- Individual user login via access card(s)
- Easily capture, review, measure, print, and annotate images
- Brightfield, darkfield, simple polarization, and phase contrast
- Upload images to SeBaShare or save to USB drive
- User-friendly touchscreen interface
- Parfocal, parcentric, infinity plan achro optical system

SeBa changes the way you view your microscope by simplifying the complexities of a traditional microscope. Its seamless integration of camera, computer and monitor creates an easy-to-use, all-in-one digital microscope that is perfect for any environment. SeBa brings collaboration, teaching, routine scanning, and image documentation into the next generation! Innovative technology including SeBaAccess™ and the SeBaShare™ cloud.

*SEBAACCESS™

CAPTURE....
CLOUD....
COLLABORATE....

SeBaAccess allows a user to automatically log into his or hers own unique SeBaShare account by simply placing his or hers SeBaAccess card up against the SeBa™ logo on the front SeBa head. The SeBa star's green LED will light up, and a message will pop up at the bottom of the screen to indicate you have successfully logged in. Once logged in, simply click on the SeBaShare icon to upload that image to the SeBaShare account for later retrieval or viewing.

ROUTINE CLINICAL CONFIGURATION

CAT. NO.	HEAD	CAMERA	OBJECTIVES	OPTICS	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
SEBA3RC3	SEBA 9.7" DISPLAY	5MP	4X, 10X, 40X, 100X OIL, PLAN ACHROMAT	INFINITY, 22MM FOV	BRIGHTFIELD	1.25 N.A. ABBE	3W LED	5 POS



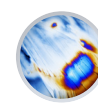
*SeBa™ PRO 4B CLINICAL



BRIGHTFIELD



PHASE CONTRAST



CROSS POLARIZATION



- PATHOLOGY
- HISTOLOGY
- HEMATOLOGY
- MICROBIOLOGY
- CYTOLOGY
- URINALYSIS

KEY FEATURES

- Binocular head with 22mm FOV 10x eyepieces
- 5-position objective nosepiece
- 9.7", 2736 x 1824 display with 10-point multi-touch
- 16MP Color camera
- Individual user login via access card(s)
- Easily capture, review, measure, print, and annotate images
- Brightfield, darkfield, simple polarization, and phase contrast
- Upload images to SeBaShare or save to USB drive
- Parfocal and parcentric infinity optical system
- Plan Achromat objectives standard, Plan Fluor (Optional)

SeBa changes the way you view your microscope by simplifying the complexities of a traditional microscope. Its seamless integration of camera, computer and monitor creates an easy-to-use, all-in-one digital microscope that is perfect for any environment. SeBa brings collaboration, teaching, routine scanning, and image documentation into the next generation!

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PATHOLOGY/HISTOLOGY CONFIGURATIONS

CAT. NO.	HEAD	CAMERA	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
SEBAP4BPC1	SEBA 9.7" DISPLAY WITH BINOC	16MP	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS
SEBAP4BPC2	SEBA 9.7" DISPLAY WITH BINOC	16MP	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS
SEBAP4BPC3	SEBA 9.7" DISPLAY WITH BINOC	16MP	4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
SEBAP4BPC4	SEBA 9.7" DISPLAY WITH BINOC	16MP	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS
SEBAP4BPC5	SEBA 9.7" DISPLAY WITH BINOC	16MP	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS
SEBAP4BPC6	SEBA 9.7" DISPLAY WITH BINOC	16MP	4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS

HEMATOLOGY CONFIGURATIONS

CAT. NO.	HEAD	CAMERA	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
SEBAP4BHC1	SEBA 9.7" DISPLAY WITH BINOC	16MP	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
SEBAP4BHC2	SEBA 9.7" DISPLAY WITH BINOC	16MP	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS

MICROBIOLOGY CONFIGURATIONS

CAT. NO.	HEAD	CAMERA	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
SEBAP4BMC1	SEBA 9.7" DISPLAY WITH BINOC	16MP	10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS

CYTOLOGY CONFIGURATIONS

CAT. NO.	HEAD	CAMERA	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
SEBAP4BCC1	SEBA 9.7" DISPLAY WITH BINOC	16MP	4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
SEBAP4BCC2	SEBA 9.7" DISPLAY WITH BINOC	16MP	4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS

URINALYSIS CONFIGURATIONS

CAT. NO.	HEAD	CAMERA	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
SEBAP4BUR1	SEBA 9.7" DISPLAY WITH BINOC	16MP	10x, 40x, 100x PHASE CONTRAST PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD, PHASE CONTRAST, POLARIZATION	1.25 N.A. PHASE CONTRAST TURRET CONDENSER	3W LED	5 POS



*SeBa™ PRO 5



BRIGHTFIELD



CLINICAL

- PATHOLOGY
- HISTOLOGY
- HEMATOLOGY
- MICROBIOLOGY
- CYTOLOGY
- URINALYSIS

KEY FEATURES

- 6-position objective nosepiece
- 12.3", 2048 x 1536 display with 10-point multi-touch
- 16MP color camera
- Individual user login via access card(s)
- Easily capture, review, measure, print, and annotate images
- Brightfield illumination
- Upload images to SeBaShare or save to USB drive
- Parfocal and parcentric infinity optical system
- Plan Fluor objectives standard, Plan Achromat (Optional)
- X/Y rackless wire-driven stage
- Integrated LBD and ND filters

SeBa changes the way you view your microscope by simplifying the complexities of a traditional microscope. Its seamless integration of camera, computer and monitor creates an easy-to-use, all-in-one digital microscope that is perfect for any environment. SeBa brings collaboration, teaching, routine scanning, and image documentation into the next generation!

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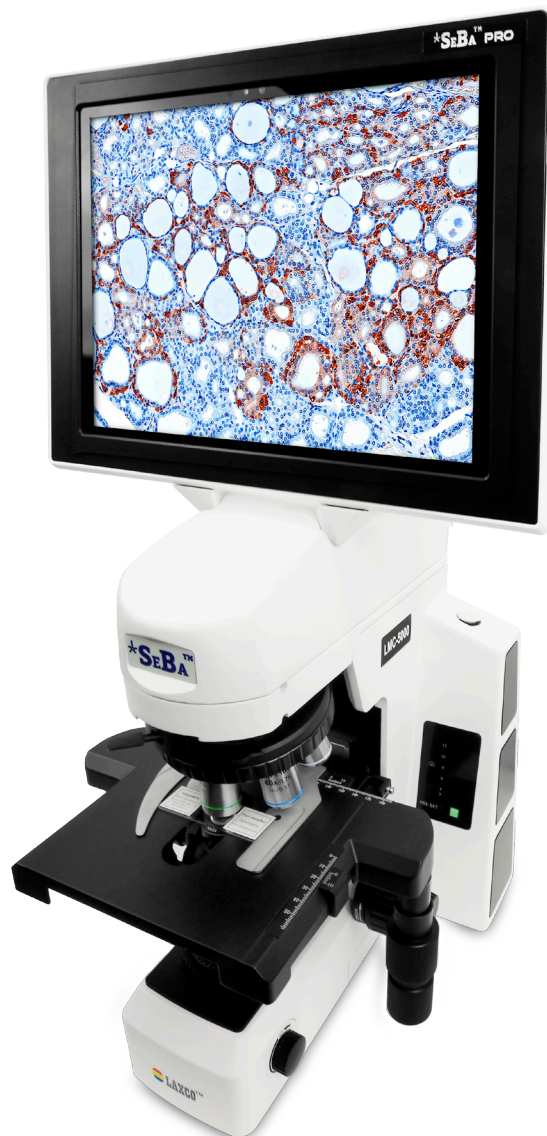


PATHOLOGY/HISTOLOGY CONFIGURATIONS

CAT. NO.	HEAD	CAMERA	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
SEBAP5PC1	SEBA 12.3" DISPLAY	16MP	1.25x APD, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22MM FOV	BRIGHTFIELD	0.9 N.A CONDENSER WITH SWING-OUT LENS	5W LED	6 POS WITH SLIDER

MICROBIOLOGY CONFIGURATIONS





CAT. NO.	HEAD	CAMERA	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
SEBAP5MC1	SEBA 12.3" DISPLAY	16MP	10x, 40x, 100x oil PLAN FLUOR	INFINITY, 22MM FOV	BRIGHTFIELD	0.9 N.A CONDENSER WITH SWING-OUT LENS	5W LED	6 POS WITH SLIDER





LMC-3000 Series ROUTINE CLINICAL



-  Corrected for Eyeglasses
-  Carrying Handle
-  LED Illumination
-  360° Rotating Binoculars

KEY FEATURES

- Single high-powered LED
- Carrying handle
- Stable main body
- Brightfield, darkfield, simple polarization, phase contrast, and fluorescence illumination
- High-contrast, broad-beam optical design

STAND

- Rack and pinion focusing mechanism for smooth focusing control
- Stable main body design
- X/Y mechanical stage
- Built-in carrying handle for easy transportation of microscope
- Coarse and fine focus adjustment
- Reversed quintuple or quadruple nosepiece
- Full Koehler illumination with field and iris diaphragm

BINOCULAR & TRINOCULAR OPTICS

- 360° rotating binoculars
- 50 to 75mm interpupillary distance
- Rubber eyecups
- Diopter adjustments

EYEPIECES

- 10x magnification, with 20mm widefield eyepieces
- Optional ability to lock eyepieces

ILLUMINATION

- 3-watt bright white LED
- Removable LED tray
- Adjustable
- Maintains constant color temperature
- 50,000-hour life span

LED FLUORESCENCE

- 25,000-hour life span
- No alignment needed
- LED wavelength specific to filter set
- Adjustable light intensity
- High signal-to-noise ratio
- Stable light excitation energy
- No warm-up or cool-down time
- Produces no harmful UV light
- Powered by optional battery pack

-  Single-Channel Fluorescence
-  Hard-Coated Filters
-  Brightness Control
-  Wavelength-Specific LED
-  External Power Supply



BRIGHTFIELD CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC3RC1	BINOCULAR	PLAN 10X/20mm	4x, 10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.25 N.A. ABBE	3W LED	5 POS
LMC3RC2	TRINOCULAR	PLAN 10X/20mm	4x, 10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.25 N.A. ABBE	3W LED	5 POS

FLUORESCENCE CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	FILTER SET	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC3RC4	TRINOCULAR	PLAN 10X/20mm	4x, 10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD, GFP LED FLUORESCENCE	EGFP/GFP/FITC (EX: 470/20, EM: 525/20)	1.25 N.A. ABBE	3W LED	5 POS
LMC3RC5	TRINOCULAR	PLAN 10X/20mm	4x, 10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD, RFP LED FLUORESCENCE	Texas RED/XCy3.5/Mito Tracker Red (EX: 470/20, EM: 525/20)	1.25 N.A. ABBE	3W LED	5 POS
LMC3RC6	TRINOCULAR	PLAN 10X/20mm	4x, 10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD, DAPI LED FLUORESCENCE	DAPI/Hoechst/AMCA/AMCA-X Blue/Alexa Fluor 350 (EX 365/25, EM: 460/25)	1.25 N.A. ABBE	3W LED	5 POS
LMC3RC7	TRINOCULAR	PLAN 10X/20mm	4x, 10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD, TB LED FLUORESCENCE	Tuberculosis (TB)/Auramine O/wtGFP (EX 450/25, EM 485 LP)	1.25 N.A. ABBE	3W LED	5 POS



LMC-4000 Series



CLINICAL

- PATHOLOGY
- HISTOLOGY
- HEMATOLOGY
- MICROBIOLOGY
- CYTOLOGY
- URINALYSIS

KEY FEATURES

- Y-shaped body for maximum stability
- Carrying handle
- Stable main body
- Brightfield, darkfield, polarization, metallurgical, phase contrast, and fluorescence contrast methods
- High-contrast, broad beam optical design
- Modular design allows for flexibility in system configuration - 100% customizable for every need

OPTICAL SYSTEM

- Infinity-corrected optical system
- Plan Achromat objectives standard, Plan Fluor (optional)
- Wide range of magnifications: 2X, 4x, 10x, 20x, 40x, 60x and 100x
- Anti-reflective coatings on optics
- Sharp images with bright natural color
- Parcentric and parfocal objectives

TRINOCULAR OPTICS

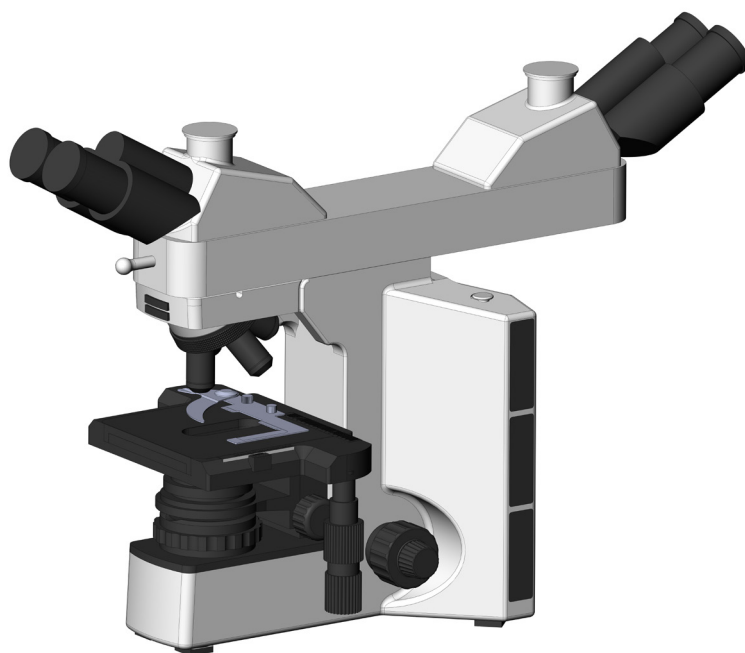
- 10x eyepieces with 22mm widefield eyepieces
- 50 to 75mm interpupillary distance
- Light splitting ratio 0:100/50:50 (0:100/100:0 on FL models)
- Rubber eyecups
- Diopter adjustment
- Tilting ergonomic head and standard fixed eyepiece configurations available

STAND

- Large, sturdy base designed for the lab environment
- Rack and pinion focusing mechanism for smooth focus control
- Rackless, X/Y mechanical stage with adjustable tension
- Built-in carrying handle for easy transportation of microscope
- Coarse and fine focus adjustment
- Reversed quintuple nosepiece
- Full Koehler illumination with field and iris diaphragm

PATHOLOGY/HISTOLOGY CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4PC1	TRINOCULAR	PLAN 10X/22mm	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC2	TILTING TRINOCULAR	PLAN 10X/22mm	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC3	TRINOCULAR	PLAN 10X/22mm	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC4	TILTING TRINOCULAR	PLAN 10X/22mm	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC11	TRINOCULAR	PLAN 10X/22mm	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC12	TILTING TRINOCULAR	PLAN 10X/22mm	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC13	TRINOCULAR	PLAN 10X/22mm	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC14	TILTING TRINOCULAR	PLAN 10X/22mm	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS



DUAL VIEW FACE-TO-FACE

CAT. NO.	HEAD	EYEPIECES	POINTER	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4PC9	TILTING TRINOCULAR AND BINOCULAR	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC10	TILTING TRINOCULAR AND BINOCULAR	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC15	TILTING TRINOCULAR AND BINOCULAR	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC16	TILTING TRINOCULAR AND BINOCULAR	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS



HEMATOLOGY CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4HC1	TRINOCULAR	PLAN 10X/22mm	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
LMC4HC2	TILTING TRINOCULAR	PLAN 10X/22mm	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS
LMC4HC3	TRINOCULAR	PLAN 10X/22mm	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
LMC4HC4	TILTING TRINOCULAR	PLAN 10X/22mm	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS

MICROBIOLOGY CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4MC1	TRINOCULAR	PLAN 10x/22mm	10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
LMC4MC2	TILTING TRINOCULAR	PLAN 10x/22mm	10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS

CYTOLOGY CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4CC1	TRINOCULAR	PLAN 10x/22mm	4X, 10x, 40x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
LMC4CC2	TILTING TRINOCULAR	PLAN 10x/22mm	4X, 10x, 40x PLAN FLUOR	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS
LMC4CC3	TRINOCULAR	PLAN 10x/22mm	4X, 10x, 20X 40x, 60X PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
LMC4CC4	TILTING TRINOCULAR	PLAN 10x/22mm	4x, 10x, 20x, 40x PLAN FLUOR, 80x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS

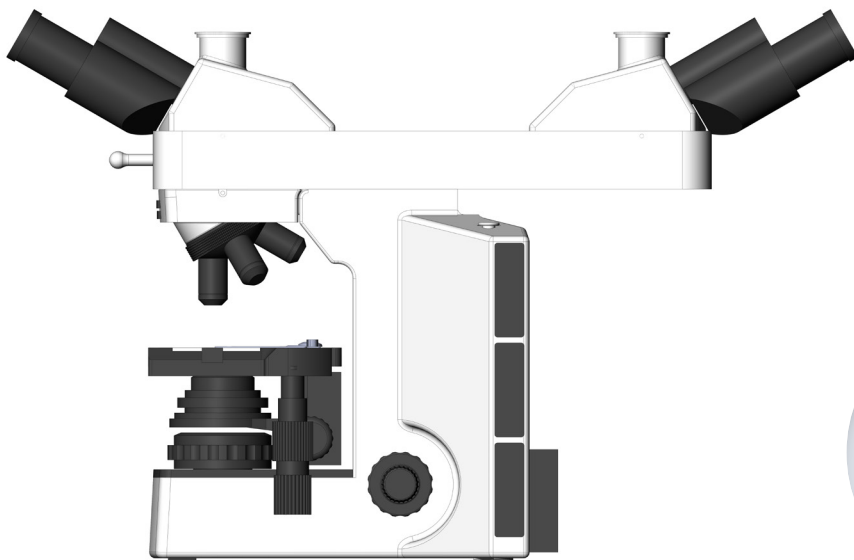
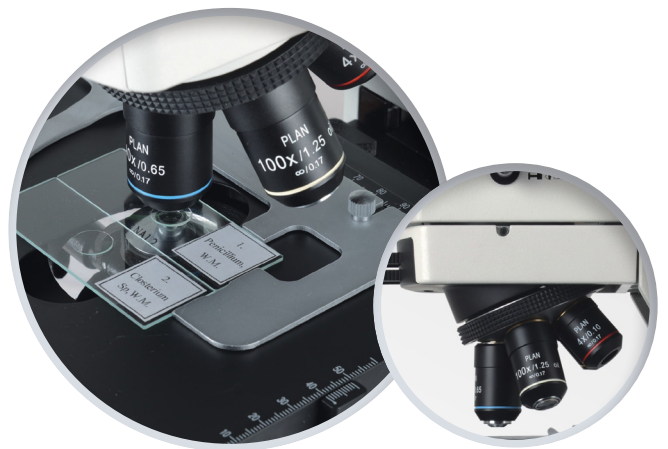
URINALYSIS CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4UC1	TRINOCULAR	PLAN 10x/22mm	10x, 40x, 100x oil PH PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD, PHASE CONTRAST, POLARIZATION	1.25 N.A. PHASE CONTRAST TURRET CONDENSER	3W LED	5 POS
LMC4UC1	TILTING TRINOCULAR	PLAN 10x/22mm	10x, 40x, 100x oil PH PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD, PHASE CONTRAST, POLARIZATION	1.25 N.A. PHASE CONTRAST TURRET CONDENSER	3W LED	6 POS

LMC-4000 Series

CLINICAL

- PATHOLOGY
- HISTOLOGY
- HEMATOLOGY
- MICROBIOLOGY
- CYTOLOGY
- URINALYSIS





LMC-4000 Series LED FLUORESCENCE

- MICROBIOLOGY



FLUORESCENCE



LED FLUORESCENCE

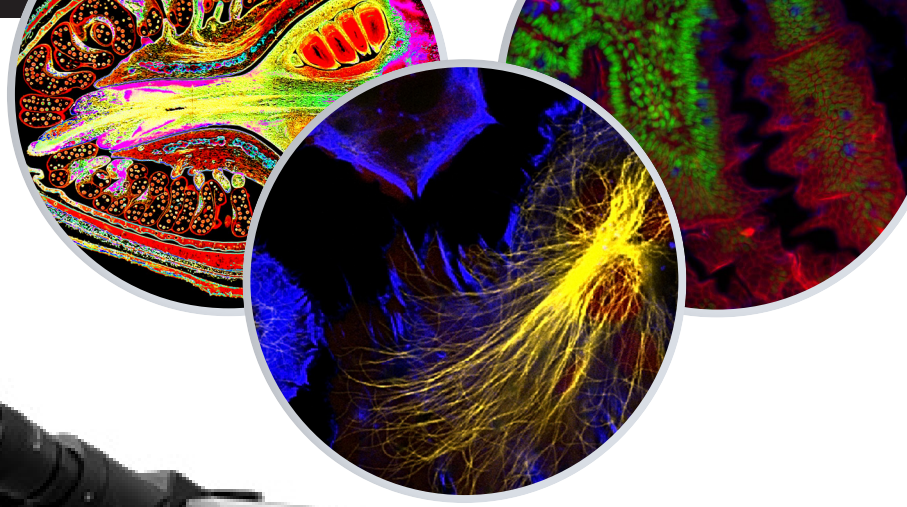
- 25,000-hour life span
- No alignment needed
- LED wave length specific to filter set
- Adjustable light intensity
- High signal-to-noise ratio
- Stable light excitation energy
- No warm-up or cool-down time
- Produces no harmful UV light
- Powered by optional battery pack





KEY FEATURES

- Y-shaped body for maximum stability
- Carrying handle
- Stable main body
- Brightfield, darkfield, polarization, metallurgical, phase contrast, and fluorescence contrast methods
- High-contrast, broad-beam optical design
- Modular design allows for flexibility in system configuration - 100% customizable for every need

OPTICAL SYSTEM

- Infinity-corrected optical system
- Plan Achromat objectives standard, Plan Fluor (optional)
- Wide range of magnifications: 2X, 4x, 10x, 20x, 40x, 60x and 100x
- Anti-reflective coatings on optics
- Sharp images with bright natural color
- Parcentric and parfocal objectives



-  Multi-Channel Fluorescence
-  Hard-Coated Filters
-  Brightness Control
-  Wavelength-Specific LED

MICROBIOLOGY FLUORESCENCE CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	FILTER SET	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4MC3	TRINOCULAR	PLAN 10X/22mm	4x, 10x, 40x, 100x oil PLAN FLUOR	INFINITY, 22mm FOV	BRIGHTFIELD, LED FLUORESCENCE	(1) DAPI/Hoechst/Alexa Fluor 350 [EX 365/25, EM: 460/25] (2) EGFP/GFP/FITC [EX: 470/20, EM: 525/20] (3) Texas RED/XCy3,5 [EX: 470/20, EM: 525/20]	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	5 POS
LMC4MC4	TILTING TRINOCULAR	PLAN 10X/22mm	4x, 10x, 40x, 100x oil PLAN FLUOR	INFINITY, 22mm FOV	BRIGHTFIELD, LED FLUORESCENCE	(1) DAPI/Hoechst/Alexa Fluor 350 [EX 365/25, EM: 460/25] (2) EGFP/GFP/FITC [EX: 470/20, EM: 525/20] (3) Texas RED/XCy3,5 [EX: 470/20, EM: 525/20]	1.2 N.A. CONDENSER WITH SWING-OUT LENS	3W LED	6 POS



LMC-5000 Series



BRIGHTFIELD



GOUT ANALYSIS



CLINICAL

- PATHOLOGY
- HISTOLOGY
- HEMATOLOGY
- MICROBIOLOGY
- CYTOLOGY

KEY FEATURES

- Large T-shaped body for maximum stability
- Carrying handle
- Stable main body
- Brightfield, Metallurgical, & Fluorescence Contrast Methods
- High-contrast, broad-beam optical design
- Modular design allows for flexibility in system configuration - 100% customizable for every need

STAND

- Modular frame design
- Integrated LBD and ND filters
- Stable main body design
- Rackless, wire driven X/Y mechanical stage
- Coaxial focus drive, with focus range of 25mm and 1 μ m precision
- Reversed 6-position nosepiece (7-position optional)
- 12V/100W halogen-transmitted illumination
- Full Koehler illumination with field and iris diaphragm

OPTICAL SYSTEM

- Infinity-corrected optical system
- Plan Fluor objectives
- Wide range of magnifications: 2x, 4x, 10x, 20x, 40x, 60x, 50X Oil and 100x
- Anti-reflective coatings on optics
- Sharp images with color corrected optics
- Parcentric and parfocal objectives



PATHOLOGY/HISTOLOGY CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4PC1	TRINOCULAR	PLAN 10X/25mm	1.25x APD, 4x, 10x, 20x, 40x PLAN FLUOR 60x PLAN ACH	INFINITY, 25mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS

HEMATOLOGY CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4HC1	TRINOCULAR	PLAN 10X/25mm	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 25mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	5 POS
LMC4HC2	TILTING TRINOCULAR	PLAN 10X/25mm	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 25mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4HC3	TRINOCULAR	PLAN 10X/25mm	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 25mm FOV	BRIGHTFIELD WITH GOUT KIT	1.2 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	5 POS
LMC4HC4	TILTING TRINOCULAR	PLAN 10X/25mm	10x, 40x, 50x oil, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	1.2 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS

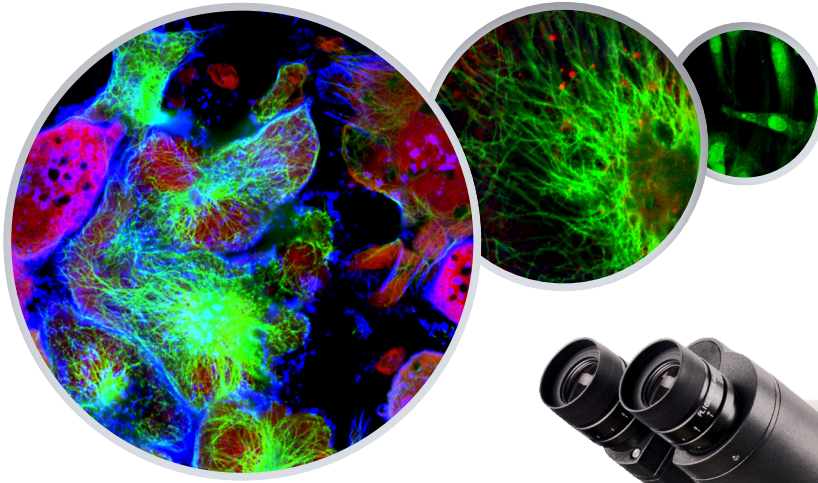
MICROBIOLOGY CONFIGURATIONS

CAT. NO.	HEAD	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4MC1	TRINOCULAR	PLAN 10X/25mm	10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	5 POS
LMC4MC2	TILTING TRINOCULAR	PLAN 10X/25mm	10x, 40x, 100x oil PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	1.2 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	5 POS



LMC-5000 Series FISH

FLUORESCENCE IN-SITU HYBRIDIZATION



MERCURY FLUORESCENCE

- Full spectrum illumination
- 100-watt mercury bulb
- Digital power supply
- Centerable lamp housing
- 6-position filter turret
- Brightfield and fluorescence observation
- Fluorescence light block



OBJECTIVES

Series	Magnification	N.A.	W.D. (mm)	F.N. (mm)	Cover Glass Thickness	Immersion	Spring
Plan Fluor Series	4x	0.13	18.5	25	0.17	/	/
	10x	0.30	10.6	25	0.17	/	/
	20x	0.50	2.33	25	0.17	/	/
	40x	0.75	0.6	25	0.17	/	/
	100x	1.28	0.21	25	0.17	oil	/



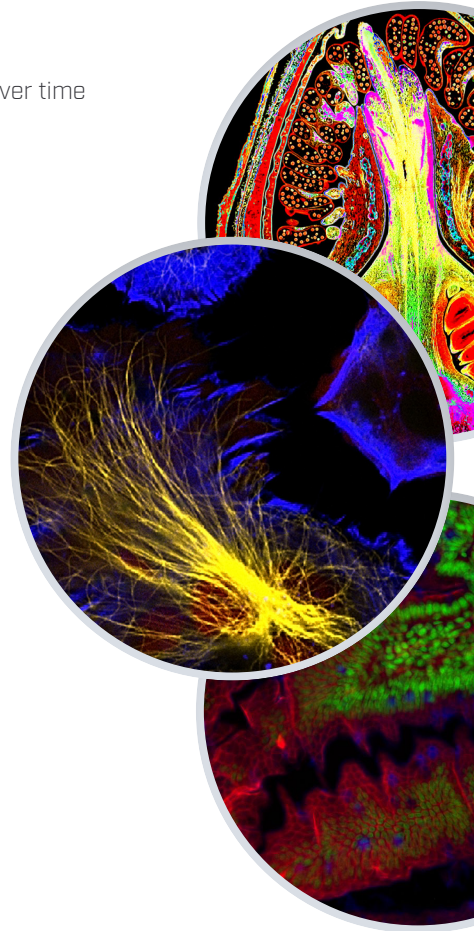
CUSTOM FILTER OPTIONS

HARD-COATED FILTERS

The LMC-5000 fluorescence models utilize hard-coating technology to provide superior performance and durability. Hard-coated filters feature over 90% transmission efficiency and do not break down over time under any wavelength of light. This greater efficiency produces superior signal-to-noise ratio.

KEY FEATURES

- Over 90% transmission
- Coatings do not break down over time
- Superior signal-to-noise ratio



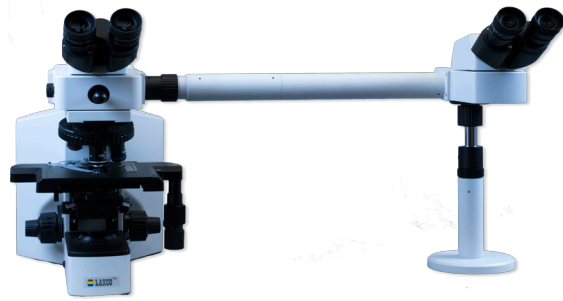
FISH FLUORESCENCE CONFIGURATIONS

CAT. NO.	HEAD	CAMERA	EYEPIECES	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	FILTER SET	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC5CC1	TILTING TRINOCULAR	NA	PLAN 10X/25mm	4x, 10x, 20x, 40x PLAN FL, 60x PL ACH	INFINITY, 25mm FOV	BRIGHTFIELD, 100 W MERCURY FLUORESCENCE	(1) 49000 Chroma ET BP DAPI Filter Set (2) 49302 Chroma ET Aqua BP Filter Set (3) 49303 Chroma ET Green BP Filter Set (4) 49305 Chroma ET Orange BP Filter Set (5) 49304 Chroma ET Gold BP Filter Set (6) 49306 Chroma ET Red BP Filter Set	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS WITH SLIDER
LMC5CC2	TILTING TRINOCULAR	1.4MP Mono with Imaging Software	PLAN 10X/25mm	4x, 10x, 20x, 40x PLAN FL, 60x PL ACH	INFINITY, 25mm FOV	BRIGHTFIELD, 100W MERCURY FLUORESCENCE	(1) 49000 Chroma ET BP DAPI Filter Set (2) 49302 Chroma ET Aqua BP Filter Set (3) 49303 Chroma ET Green BP Filter Set (4) 49305 Chroma ET Orange BP Filter Set (5) 49304 Chroma ET Gold BP Filter Set (6) 49306 Chroma ET Red BP Filter Set	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS WITH SLIDER



MULTI-OBSERVATION

LMC-4000 Series



KEY FEATURES

- Large, sturdy base designed for the lab environment
- Rack and pinion focusing mechanism for smooth focus control
- Rackless, X/Y mechanical stage with adjustable tension
- Reversed quintuple nosepiece
- High-contrast, broad-beam optical design
- Full Koehler illumination with field and iris diaphragm
- Modular design allows for flexibility in system configuration - 100% customizable for every application
- LED pointer
- 12V/100W illumination
- Supports up to five heads

OPTICAL SYSTEM

- Infinity-corrected optical system
- Plan Achromat objectives standard, Plan Fluor (optional)
- Wide range of magnifications: 2X, 4x, 10x, 20x, 40x, 60x, 50x oil and 100x oil
- Anti-reflective coatings on optics
- Sharp images with bright natural color
- Parcentric and parfocal objectives

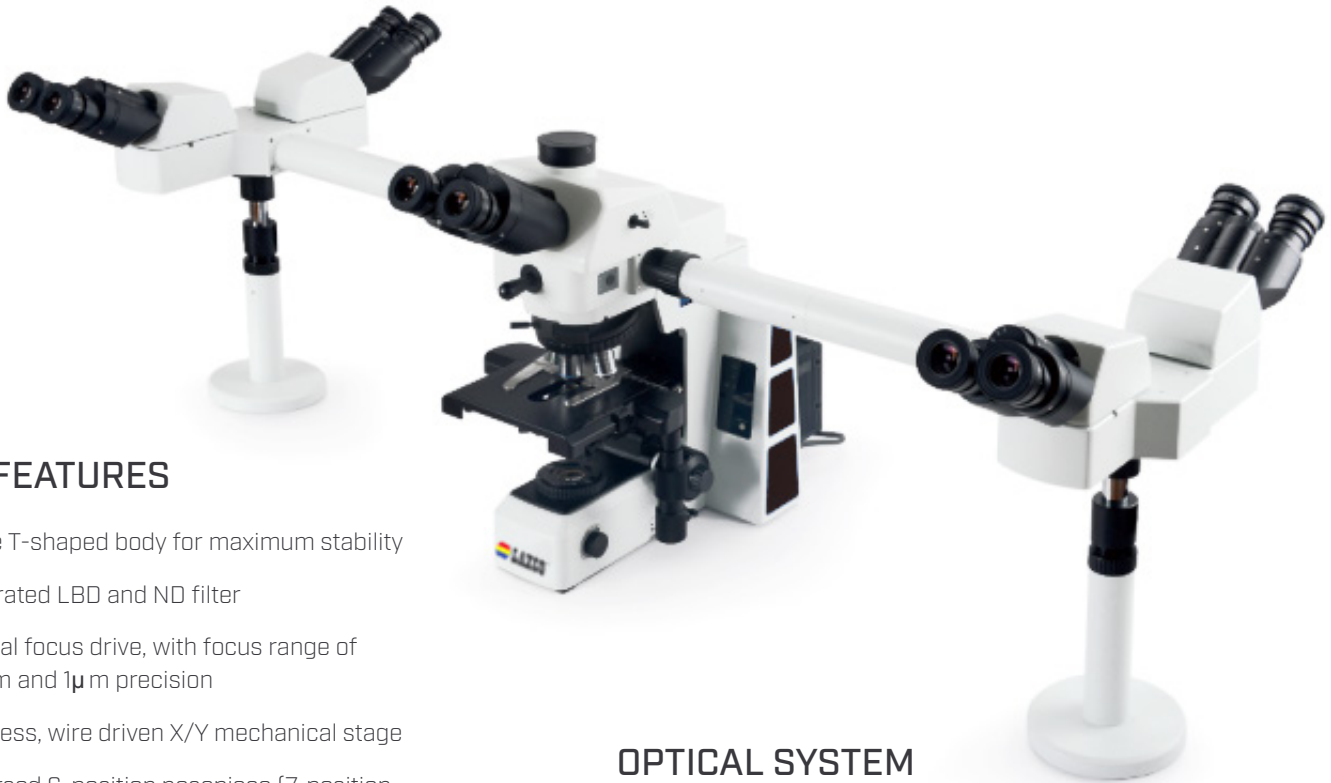
DUAL VIEW FACE-TO-FACE

CAT. NO.	HEAD	EYEPIECES	POINTER	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4PC9	TILTING TRINOCULAR AND BINOCULAR	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC10	TILTING TRINOCULAR AND BINOCULAR	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4PC15	TILTING TRINOCULAR AND BINOCULAR	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	2x, 4x, 10x, 20x, 40x, 60x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS
LMC4-PC16	TILTING TRINOCULAR AND BINOCULAR	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 22mm FOV	BRIGHTFIELD WITH GOUT KIT	0.9 N.A. CONDENSER WITH SWING-OUT LENS	5W LED	6 POS

MULTI-OBSERVATION (3 AND 5 HEADS)

CAT. NO.	HEAD	EYEPIECES	POINTER	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC4PC5	3-HEAD CONFIGURATION TRINOCULAR (1) AND BINOCULAR (2)	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	2x, 4x, 10x, 20x, 40x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	100W HALOGEN	5 POS
LMC4PC6	3-HEAD CONFIGURATION TRINOCULAR (1) AND BINOCULAR (2)	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR,	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	100W HALOGEN	5 POS
LMC4PC7	5-HEAD CONFIGURATION TRINOCULAR (1) AND BINOCULAR (4)	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	2x, 4x, 10x, 20x, 40x PLAN ACHROMAT	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	100W HALOGEN	5 POS
LMC4PC8	5-HEAD CONFIGURATION TRINOCULAR (1) AND BINOCULAR (4)	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	1.25x APO, 4x, 10x, 20x, 40x PLAN FLUOR,	INFINITY, 22mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	100W HALOGEN	5 POS

LMC-5000 Series



KEY FEATURES

- Large T-shaped body for maximum stability
- Integrated LBD and ND filter
- Coaxial focus drive, with focus range of 25mm and 1µm precision
- Rackless, wire driven X/Y mechanical stage
- Reversed 6-position nosepiece (7-position optional)
- Modular design allows for flexibility in system configuration - 100% customizable for every need
- LED pointer
- 12V/100W illumination
- Supports up to five heads

OPTICAL SYSTEM

- Infinity-corrected optical system
- Plan Achromat and Plan Fluor objectives
- Wide range of magnifications: 2x, 4x, 10x, 20x, 40x, 60x, 50X Oil and 100x oil
- Anti-reflective coatings on optics
- Sharp images with color-corrected optics
- Parcentric and parfocal objectives

MULTI-OBSERVATION [3 AND 5 HEADS]

CAT. NO.	HEAD	EYEPIECES	POINTER	OBJECTIVES	OPTICAL SYSTEM	CONTRAST METHOD	CONDENSER	ILLUM	OBJECTIVE TURRET
LMC5MDC3	3-HEAD CONFIGURATION TILTING TRINOCULAR (1) AND BINOCULAR (2)	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	1.25x APD, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 25mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	100W HALOGEN	6 POS
LMC5MDC4	5-HEAD CONFIGURATION TILTING TRINOCULAR (1) AND BINOCULAR (4)	PLAN 10X/22mm	LED arrow pointer, 3 color (RGB)	1.25x APD, 4x, 10x, 20x, 40x PLAN FLUOR, 60x PLAN ACH	INFINITY, 25mm FOV	BRIGHTFIELD	0.9 N.A. CONDENSER WITH SWING-OUT LENS	100W HALOGEN	6 POS

A Microscope for Everyone



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