

From Eye to Insight



Educational Compound Microscopes

AFFORDABLE INNOVATION FOR THE FIRST-TIME-SCIENTIST

Leica DM300



AFFORDABLE INNOVATION FOR THE NEXT GENERATION OF SCIENTISTS

Students learn best when their equipment is easy to use and constructed to be robust enough for trouble free operation each day.

Leica Microsystems, with 165 years of microscope design and manufacturing experience, combines the latest technology in optics, mechanics, and illumination in the new Leica DM300 student microscopes. These microscopes provide students with the capabilities they need to study the finest details in all the life sciences.

Construction that lasts

- › Focus drive design has been proven in the clinical laboratory

Brilliant illumination

- › Leica EZLite™ LED illumination produces crisp, clear images

View the finest details

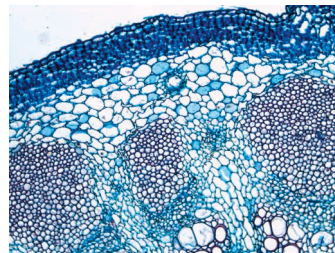
- › Outstanding optical quality reveals the finest specimen details



Convallaris - Lily of the Valley



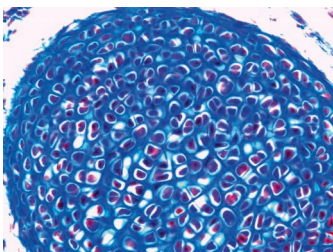
Taste Buds



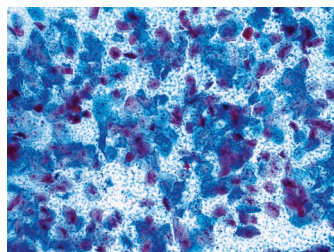
Sunflower



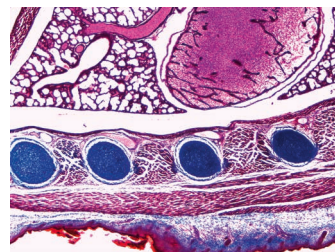
Giant Chromosomes



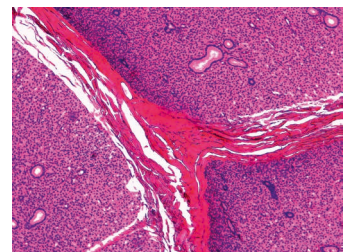
Mouse Embryo



Squamous Epithelium



Mouse Embryo



Parotid Gland



BENEFITS: LEICA DM300

Robust construction:

- › Maintenance-free, sealed, brass shaft, focus mechanism; the same design that is used in Leica Microsystems' clinical microscopes provides accurate focus control over the life of the microscope
- › Spring-loaded, high-magnification objectives prevent broken specimen slides
- › Designed to International Safety Standards

Optimized illumination and optics:

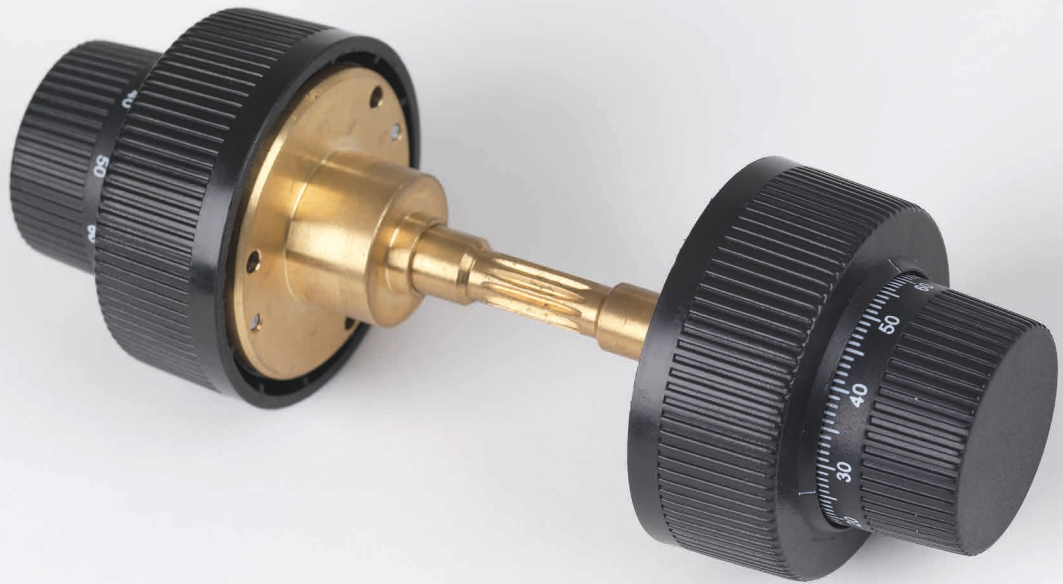
- › LED illumination saves the cost of replacement lamps and provides a cool white light for over 20 years of average use at 80 % lower energy consumption
- › Leica EZLite™ illumination system provides an evenly illuminated field of view for accurate specimen viewing
- › The illumination system provides stable, true daylight quality with a wide brightness ratio of 200 to 1
- › Superb optical performance as a result of the illumination, objective, viewing tube, and eyepiece working seamlessly together

Student friendly:

- › Coaxial focus mechanism for intuitive control
- › Compact size with small footprint for easy storage and carrying
- › Continuous light intensity control for comfortable viewing with specimens of various thickness and color
- › Leica EZTube™ binocular and monocular tubes with integrated eyepieces prevent loss and also provides continuous 360° tube rotation for shared viewing and easy storage

Flexibility:

- › Pre-configured outfits for easy ordering
- › Choice of monocular or binocular tube depending on budget
- › Digital version also possible with trinocular tube



Leica DM300

- › Second level microscope for full lab sessions
- › Built-in mechanical stage with low position X/Y controls for accurate specimen movement at high magnifications
- › Pre-centered, pre-focused professional condenser system for maximizing illumination
- › Clearly labeled adjustable iris diaphragm for fine tuning the image resolution
- › Commonly configured with binocular tube for comfortable viewing during longer lab sessions

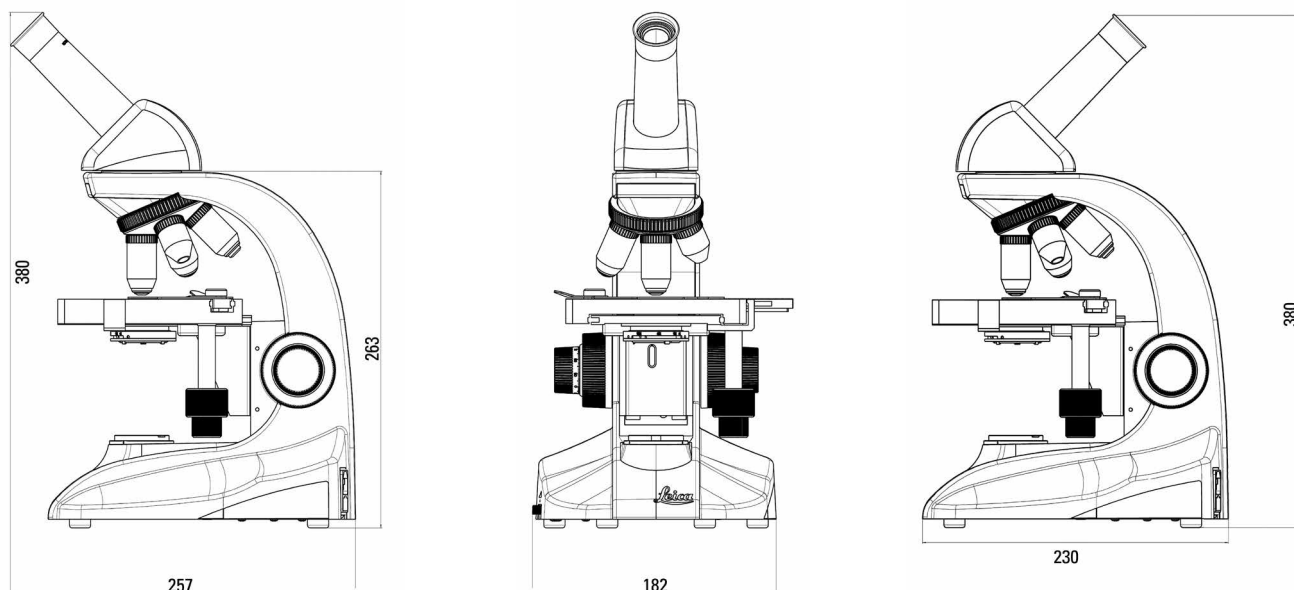


OUTFIT MATRIX

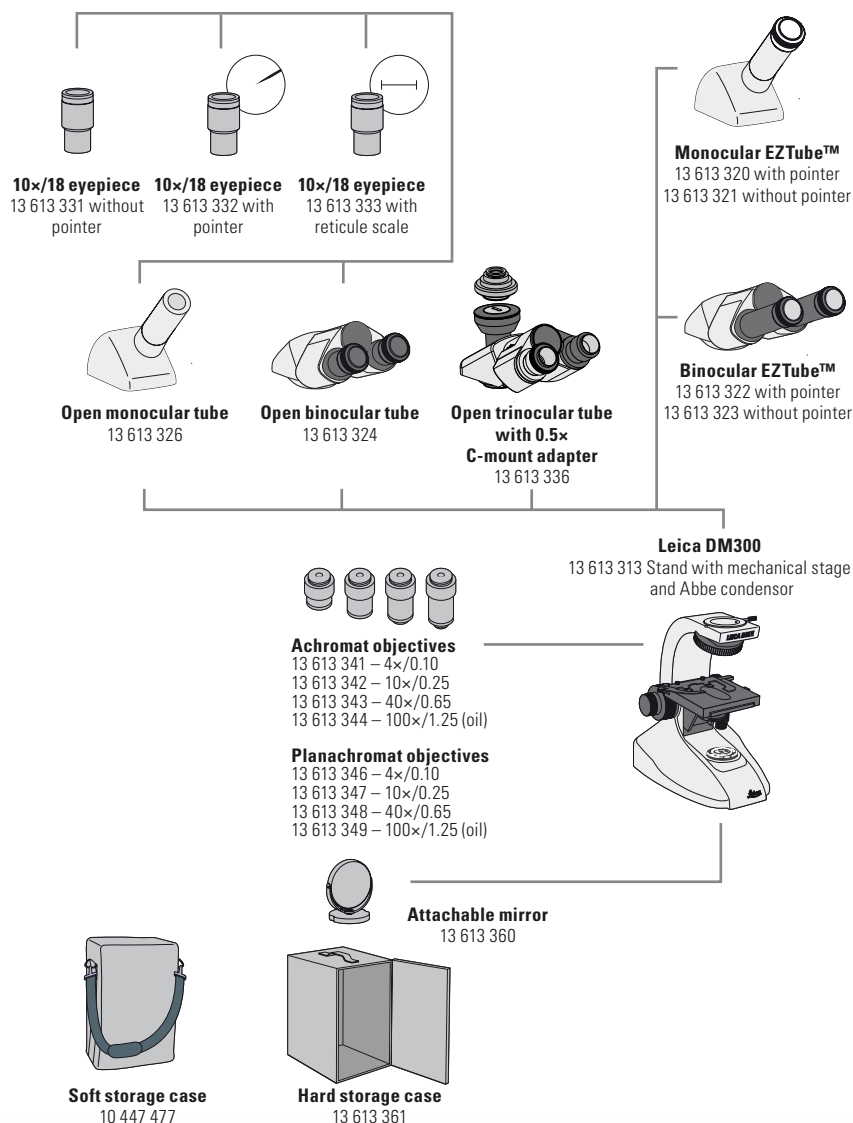
ATTENTION: POWER CORD MUST BE ORDERED SEPARATELY		13 613 382 DM300 LED, Monoc, Mechanical Stage, Abbe Condenser, 4×, 10×, 40×, Dust Cover, User Documents	13 613 383 DM300 LED, Monoc, Mechanical Stage, Abbe Condenser, 4×, 10×, 40×, 100×, Oil, Dust Cover, User Documents	13 613 384 DM300 LED, Binoc, Mechanical Stage, Abbe Condenser, 4×, 10×, 40×, 100×, Oil, Dust Cover, User Documents	13 613 385 DM300 LED, Binoc, Mechanical Stage, Abbe Condenser, Plan 4×, 10×, 40×, 100×, Oil, Dust Cover, User Documents
Stands					
13 613 313	DM300 Stand, Mechanical Stage, Abbe Condenser, Dust Cover, User Documents	X	X	X	X
Tubes					
13 613 320	Monocular Leica EZTube™ with eyeguard and pointer	X	X		
13 613 322	Binocular Leica EZTube™ with eyeguards, with pointer in right eyepiece			X	X
Achromat Objectives					
13 613 341	Achromat 4×/0.10	X	X	X	
13 613 342	Achromat 10×/0.25	X	X	X	
13 613 343	Achromat 40×/0.65	X	X	X	
13 613 344	Achromat 100×/1.25 oil		X	X	
Plan Objectives					
13 613 346	Plan Achromat 4×/0.10				X
13 613 347	Plan Achromat 10×/0.25				X
13 613 348	Plan Achromat 40×/0.65				X
13 613 349	Plan Achromat 100×/1.25 oil				X
Accessories					
13 614 800	Immersion oil, 10 ml		X	X	X

DIMENSIONS

Dimensions in mm



SYSTEM DIAGRAM



BASIC COMPONENTS

13 613 331	10×/18 eyepiece without pointer
13 613 332	10×/18 eyepiece with pointer
13 613 333	10×/18 eyepiece with reticule scale
13 613 320	Monocular EZTube™ with pointer
13 613 321	Monocular EZTube™ without pointer
13 613 322	Binocular EZTube™ with pointer
13 613 323	Binocular EZTube™ without pointer
13 613 324	Open binocular tube
13 613 326	Open monocular tube
13 613 336	Open trinocular tube with 0.5× C-mount adapter
13 613 313	Leica DM300 Stand with mechanical xy-stage and Abbe condensor
13 613 341	Objective Achromat 4×/0.10 NA
13 613 342	Objective Achromat 10×/0.25 NA
13 613 343	Objective Achromat 40×/0.65 NA
13 613 344	Objective Achromat 100×/1.25 (oil)
13 613 346	Objective Planachromat 4×/0.10
13 613 347	Objective Planachromat 10×/0.25
13 613 348	Objective Planachromat 40×/0.65
13 613 349	Objective Planachromat 100×/1.25 (oil)

OPTIONS

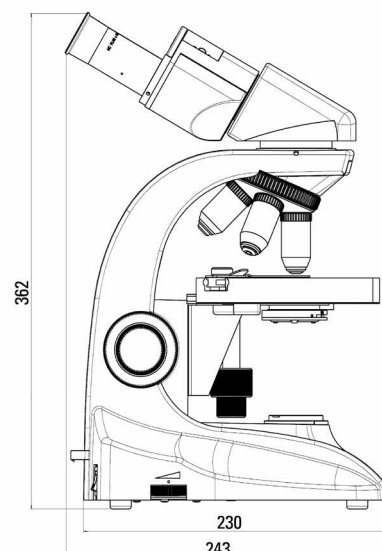
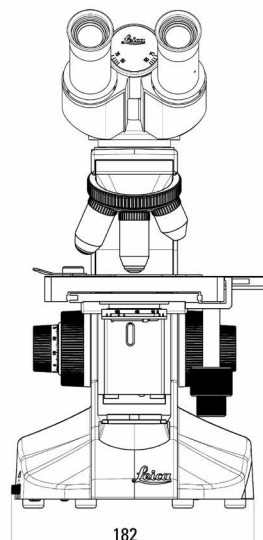
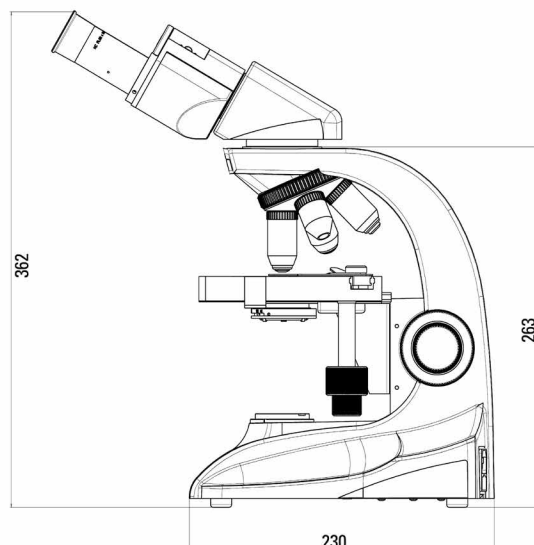
10 447 477	Soft storage case
13 613 361	Hard storage case
13 614 800	Immersion oil 10 ml
13 613 363	Simple pol kit
13 613 360	Attachable mirror

REPLACEMENTS

13 613 300-100	User Document
13 596 010	Dust cover
13 613 362	Pair of eyeguards
13RFAG30003	Replacement Fuse

INTERNATIONAL POWER CORDS

13 613 900	U.S.	
13 613 901	Europe Continental	
13 613 902	U.K.	
13 613 903	Switzerland	
13 613 904	Denmark	
13 613 905	Italy	
13 613 906	Australia	
13 613 907	China	
13 613 908	Japan	
13 613 909	Israel	
13 613 910	South Africa	
13 613 911	India	
13 613 912	Argentina	



SPECIFICATIONS

SEPARATE EYEPIECES

- › High eyepoint
- › 10×/18 eyepieces fixed
- › Available with or without pointer and with a measuring reticle
- › Foldable eyeguards
- › 23.2 mm mounting diameter

EZTUBE™ MONOCULAR TUBE

- › 45 degree viewing angle
- › 10×/18 eyepiece integrated into eyetube
- › Attached to stand with 2 set screws
- › Rotatable mounting
- › Available with and without pointer

STAND

- › Stand shape protects controls
- › Stand construction – die-cast aluminium
- › External fuses
- › Knurled nosepiece control
- › 4 position nosepiece
- › Drop in holder for 32 mm mounted or not mounted filters

EZTUBE™ BINOCULAR TUBE

- › Preset diopters for corrected vision
- › 30° viewing angle
- › 10×/18 high eyepoint eyepieces integrated into eyetubes
- › Attached to stand with 2 set screws
- › Rotatable mounting
- › Available with and without pointer
- › Interpupillary distance range 52 mm – 75 mm

OPEN MONOCULAR, BINOCULAR, AND TRINOCULAR TUBES

- › Accepts separate 10×/18 eyepieces
- › Attached to stand with 2 set screws
- › Rotatable mounting
- › Left eyetube for binocular tube with diopter focus
- › 30° viewing angle for binocular tube
- › Interpupillary distance range for binocular tube 52 mm – 75 mm

EZLITE™ ILLUMINATION

- › Preset field aperture
- › LED illumination – 6 000 K temp, 25 000 h life at full intensity
- › Continuous intensity adjustment
- › Illumination enough for viewing at lowest intensity
- › Simple polarizing kit available

CONDENSER

- › Prefocused and precentered condenser
- › Leica DM300 – NA = 0.9/1.25 oil – Adjustable diaphragm with magnification labels

STAGE

- › Leica DM300 – Mechanical Right handed
- › Size: 14.3 cm (X) × 13.2 cm (Y)
- › Travel: 76 mm (X) × 50 mm (Y)
- › Front loading specimen holder for two standard slides

FOCUS

- › Coaxial focus controls
- › Self-adjusting focus mechanism
- › 300 microns per fine focus rotation
- › Calibrated in 3 micron increments

CERTIFICATIONS

- › cULus, CE, RoHS

SHIPPING

- › Dimensions: 45 cm × 31.5 cm × 42 cm
- › Weight: 6.5 kg

CONNECT
WITH US!



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