



EXC-500 Series

CATALOG #	DESCRIPTION
EXC-500	<p>Binocular with NIS Infinity Plan Objectives Binocular viewing head, inclined 30°, IPD 47 - 78mm, rotatable 360° WF 10x/22mm focusing eyepieces with eyeguards Reversed sextuple nosepiece NIS Infinity Corrected PLAN 4x, 10x, 40xR & 100xR oil objectives Gorilla™ glass mechanical stage, tension adjustable controls Achromat swing out condenser, N.A. 0.90 (2x - 100x) Coaxial coarse and fine focusing controls Koehler illumination - 3 watt variable S-LED illuminator Dust cover, power cord, instruction manual, UL Approved</p>
EXC-500-BE	<p>Ergo Binocular with NIS Infinity Plan Objectives Same as EXC-500 except with Ergo tilting binocular viewing head, 5° to 35°, IPD 47 - 78mm, rotatable 360°</p>
EXC-500-T	<p>Trinocular with NIS Infinity Plan Objectives Trinocular viewing head, inclined 30°, IPD 47 - 78mm, rotatable 360° Viewing split: 100% T / 0% B; 20% T / 80% B; and 0% T / 100% B WF 10x/22mm focusing eyepieces with eyeguards Reversed sextuple nosepiece NIS Infinity Corrected PLAN 4x, 10x, 40xR & 100xR oil objectives Gorilla™ glass mechanical stage, tension adjustable controls Achromat swing out condenser, N.A. 0.90 (2x - 100x) Coaxial coarse and fine focusing controls Koehler illumination - 3 watt variable S-LED illuminator Dust cover, power cord, instruction manual, UL Approved</p>
EXC-500-TE	<p>Ergo Trinocular with NIS Infinity Plan Objectives Same as EXC-500-T except with Ergo Trinocular viewing head, adjustable 0° to 35°, IPD 47 - 78mm, rotatable 360°</p>
EXC-500-MB	<p>EXC-500 Main Body EXC-500 Main body frame Sextuple nosepiece Coaxial coarse and fine focusing controls Koehler illumination - 3 watt variable S-LED illuminator Dust cover, power cord, instruction manual, UL Approved</p>

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TEACHING HEAD CONFIGURATIONS

(Does not include main microscope)

500-2SBS	Dual viewing head section for side by side observation, LED pointer unit with power adapter, (1) binocular viewing head and (2) WF10x/22mm focusing eyepieces
500-2FTB	Dual viewing head section for front to back observation, LED pointer unit with power adapter, (1) binocular viewing head and (2) WF10x/22mm focusing eyepieces
500-5SBS	Five viewing head unit for side by side observation, LED pointer unit with power unit, (4) binocular viewing head and (8) WF10x/22mm focusing eyepieces

Camera and Video Adapters

O-2005-35	0.35x c-mount adapter for 1/3" chip sensors, focus adjustable
O-2005-5	0.50x c-mount adapter for 1/2" chip sensors, focus adjustable
O-2005-65	0.65x c-mount adapter for 2/3" chip sensors, focus adjustable
500-2005-1	1x c-mount adapter (no lens)
500-2000	Photo tube, 23.2mm I.D.
500-2000-E	Photo/video intermediate attachment with photo tube for use with ergonomic binocular viewing head (CAT# 500-3155-BE)

Viewing Heads

500-3155	Binocular viewing head, 30° inclined, IPD 47 - 78mm
500-3155-BE	Ergonomic binocular viewing head, inclination from 5° to 35° (an optional photo/video port is available - see camera adapters)
500-3158	Trinocular viewing head, inclined 30°, IPD 47 - 78mm, rotatable 360°, Viewing split: 100% T / 0% B; 20% T / 80% B; and 0% T / 100% B
500-3158-TE	Ergo Trinocular viewing head, adjustable 0° to 35°, IPD 47 - 78mm, rotatable 360°, Viewing split: 100% T / 0% B; 20% T / 80% B; and 0% T / 100% B

Nosepiece

500-NP	Sextuple nosepiece with analyzer slot
500-NP-PG	Nospiece plug for analyzer slot
500-NP-SP	Nospiece spacer to lower nosepiece by 20mm

Eyepieces & Eyeguards

500-3113	WF 10x/22mm focusable eyepiece with diopter adjustment and roll down eyeguard (each)
500-3112	EWf 12.5x/16mm focusable eyepiece with diopter adjustment and roll down eyeguard (each)
131-10-15	WF15x eyepiece with built-in diopter adjustment, 16mm field of view. Eyepiece accepts a 20mm reticle.
131-10-20	WF20x eyepiece with built-in diopter adjustment, 12.5mm field of view.
500-3131-SR	Eye cushion (small ring) for WF10x/22mm eyepieces
500-3131	Roll down eyeguards (pair)



EXC-500 Microscope Series

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Reticles & Stage Micrometers

500-3137-26	26.5mm eyepiece reticle, 10mm/100 division with crossline
3145	Stage micrometer, 1mm/100 divisions (each division .010mm)

Plan Brightfield Objectives - Infinity Corrected

500-3172-PL	2x NIS Plan achromat objective, N.A. 0.06, W.D. 7.5mm
500-3173-PL	4x NIS Plan achromat objective, N.A. 0.10, W.D. 30mm
500-3174-PL	10x NIS Plan achromat objective, N.A. 0.25, W.D. 10.2mm
500-3177-PL	20xR NIS Plan achromat objective, N.A. 0.40, W.D. 12mm
500-3175-PL	40xR NIS Plan achromat objective, N.A. 0.65, W.D. 0.70mm
500-3179-PL	50xR oil NIS Plan achromat objective, N.A. 0.XX, W.D. 0.XXmm
500-3178-PL	60xR NIS Plan achromat objective, N.A. 0.80, W.D. 0.30mm
500-3176-PL	100xR oil NIS Plan achromat objective, N.A. 1.25, W.D. 0.20mm
500-3176I-PL	100xR oil NIS Plan achromat objective with iris diaphragm, N.A. 0.5 to 1.25, W.D. 0.20mm

S-APO Objectives - Infinity Corrected

500-3173-SAPO	4x NIS S-Plan APO objective, N.A. 0.13, W.D. 16.5mm
500-3174-SAPO	10x NIS S-Plan APO objective, N.A. 0.30, W.D. 8.1mm
500-3177-SAPO	20xR NIS S-Plan APO objective, N.A. 0.50, W.D. 2.1mm
500-3175-SAPO	40xR NIS S-Plan APO objective, N.A. 0.75, W.D. 0.70mm
500-3176-SAPO	100xR NIS S-Plan APO objective, N.A. 1.30, W.D. 0.15mm

Phase Contrast

500-3221-PH	6-position N.A. 1.25 Phase contrast turret condenser, Brightfield and Darkfield positions, 10x, 20x, 40x & 100x phase annuli
500-3174-PH	10x NIS Plan phase objective, N.A. 0.25, W.D. 10.2mm
500-3177-PH	20xR NIS Plan phase objective, N.A. 0.40, W.D. 12mm
500-3175-PH	40xR NIS Plan phase objective, N.A. 0.65, W.D. 0.70mm
500-3176-PH	100xR oil NIS Plan phase objective, N.A. 1.25, W.D. 0.20mm
25-3226	Centering telescope, 30mm I.D.
350-3240-GIF	GIF 550nm, Green filter - 45mm

Condensers

500-3221-SO	Achromat swing out condenser, N.A. 0.90 (2x - 100x)
500-3229-DFD	Dry darkfield condenser N.A. 0.7 - 0.90 (4x - 40x)
500-3229-W	Oil darkfield condenser N.A. 1.25 - 1.36 for use w/CAT# 500-3176I-PL

CATALOG #	DESCRIPTION
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Mechanical Stages and Stage Mounts

500-3213-G	EXC-500 Gorilla™ Glass stage with right hand coaxial controls, tension adjustable. Size 302 x 152mm; Moving range 78(X) x 54(Y)mm. 2 position slide holder
500-3213-GL	EXC-500 Gorilla™ Glass stage with left hand coaxial controls, tension adjustable. Size 302 x 152mm; Moving range 78(X) x 54(Y)mm. 2 position slide holder
500-SH-1SL	Specimen holder Gorilla™ Glass stage for 1 slide
500-SH-2SL	Specimen holder Gorilla™ Glass stage for 2 slides
500-3213-RG	Glass insert replacement for Gorilla™ Glass stage
500-3213-P	Pathology plain stage 144mm x 144mm, hard anodized coating
500-TA-CS	Condenser/stage mount

Polarizer & Analyzer / Gout Kit

500-3228-AN	Simple analyzer
500-3228-POL	Simple polarizer, swing out
500-3228-L	Lambda λ plate
500-3228-QWP	1/4 λ wave plate
500-3228-R	Quartz wedge, 1st order red

Optional Accessories

350-3240-LBD	45mm LBD filter
32-3240-G	45mm Green filter
3205	Immersion Oil - Type A, 1/4 oz Cargille

Dust Covers

500-3301	Dust Cover - nylon for EXC-500
500-3301-MV	Dust cover - teaching units

FRAEN® Reflected Illuminators & Filter Sets for Fluorescence

F-1CFW-1CF	FRAEN® 1CFW - 1 color fixed light intensity, fluorescence illuminator, 30,000 hour rated life, includes 1 filter set
F-1CFW-1CV	FRAEN® 1CFW - 1 color variable light intensity, fluorescence illuminator, 30,000 hour rated life, includes 1 filter set
F-2CFW-2CF	FRAEN® 2CFW - 2 color fixed light intensity, fluorescence illuminator, 30,000 hour rated life, includes 2 filter sets
F-3CFW-2CF	FRAEN® 3CFW - 2 color fixed light intensity, fluorescence illuminator, 30,000 hour rated life, includes 2 filter sets
F-3CFW-3CF	FRAEN® 3CFW - 3 color fixed light intensity, fluorescence illuminator, 30,000 hour rated life, includes 3 filter sets
F-CFW-500	Dovetail for EXC-500 Series for Fraen® illuminators

Fluorescence Attachments & Components

(Connect to One of the Illumination Sources Below & Select Filter Sets)

500-3231	Fluorescence attachment with 6 position filter turret, shutter mechanism, aperture stop, iris, UV protection plate
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CATALOG #	DESCRIPTION
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ScopeLED Fluorescence Illuminators

SLF110-LX	ScopeLED single wavelength LED excitation fluorescence light source, control pod and power source - <i>See ScopeLED wavelengths below to select wavelengths</i>
SLF120-PX	ScopeLED F120 package - choice of two fixed wavelengths, control pod and power source - <i>See ScopeLED wavelengths below to select wavelengths</i>
SLF140-GX	ScopeLED F140 package - four fixed wavelengths, control pod, power source - <i>See ScopeLED wavelengths below to select wavelengths</i>
SLAF-OL1	ScopeLED collimating adapter for EXC-500/EXC-350

(Specify wavelength required when ordering ScopeLED products)

ScopeLED Wavelengths: 390±5, 440±5, 470±10, 525, 540±5, 560P(±10), 595±5, 640±5, 660±5, 740±5

Metal Halide Illumination System for Fluorescence

25-LM-75	Direct mount metal halide illuminator, 340-800nm output range, 1500 hour bulb life
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For a complete listing of fluorescence filter sets available please consult our Fluorescence Product Page