Leica
MICROSYSTEMS

Stereo Microscopy - Life Science Research

MAKE INSIGHTFUL DECISIONS

S Series Stereo Microscopes with TL3000 Ergo TL base

INSIGHTFUL DECISIONS IN LIFE SCIENCE RESEARCH

From sorting and screening of model organisms to specimen dissection and preparation, S series Leica stereo microscopes show you more relevant details. This fully apochromatically corrected microscope systems provide superior color reproduction and sharp images.

S9 and S APO Greenough stereo microscopes

Individual outfits for your needs: S9 stereo microscopes

- 12 mm depth of field and FusionOptics technology for uncompromised depth of field and high resolution at once
- 6.1x- 55x magnification, NA 0.084 up to 0.168 with a supplemental lens, and 9:1 zoom for quick changes from overview to details
- 122 mm working distance for convenient and ergonomic manipulations
- S9 i with integrated, network-camera for easy image sharing

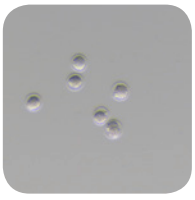
High magnification challenges: S APO stereo microscope

- 10x- 80x magnification ideal for quality control, cell sorting, and micro injection applications
- Large 8:1 zoom range
- NA 0.1 up to 0.2 with a supplemental lens
- 75 mm working distance for easy access to the sample
- Integrated documentation port for connection of a digital camera

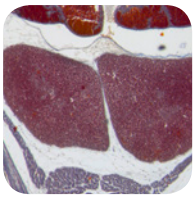
Designed for your applications

Model Organisms

Oocytes



Develop-mental Biology



Entomology

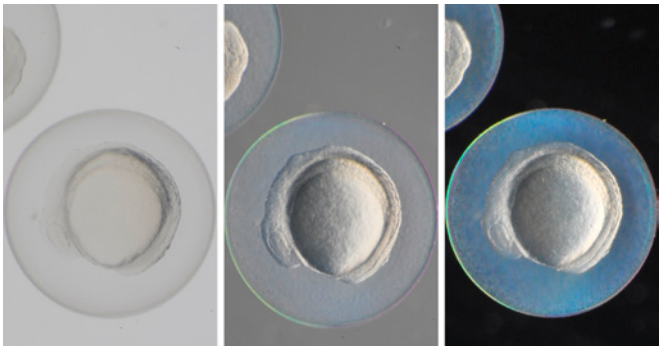
The perfect combination for more insight with TL3000 Ergo transmitted light base

Reveal more structural information in your samples with high resolution, natural color fidelity, and optimized contrast.

- Intuitive manual operation of contrast methods and brightness
- High contrast and uncompromised resolution at the same time
- Even contrasting over the entire magnification range
- Fully coded base with a power outlet for cameras
- Large illuminated field of view with 65 mm diameter to study entire organisms with high precision.
- Easy fine-tuning of the contrast with just the turn of a single knob

Three different contrast options with the TL3000

- Brightfield illumination: See your sample in sharp detail with natural colors on a bright surface.
- Rottermann contrast: See outlines and other previously invisible structures of your sample.
- Darkfield illumination: Discover small light scattering structures shining brightly in front of a pitch black background.



Zebrafish development, 10 somites stage. Follow semantic segmentation in high detail. Sample courtesy: Vermot Laboratory, IGBMC, Strasbourg, France

TECHNICAL SPECIFICATIONS

	S9 E	S9 D	S9 i	S APO
Optical system, lead-free	10° Greenough using best-corrected central part of the objective; complete apochromatically corrected microscope system			12° Greenough using best-corrected central part of the objective
Zoom	9:1, apochromatic			8:1, apochromatic
Viewing angle	35°			38°
ESD protection	Antistatic			
Specific surface resistivity	2 ×1011 Ω / square, discharge time <2 seconds from 1,000 V to 100 V			
Magnification range (basic outfit)	6.1× – 55×			10× – 80×
Maximum resolution	500 lp / mm			600 lp / mm
Maximum numerical aperture	0.167			0.2
Working distance (basic outfit)	122 mm			75 mm
Object field diameter	37.7 mm			23 mm
Adjustable zoom limits	Click-stops 10×, 20×, 30×, 40×, and 50×			2
Video/photo outlet	-	50 % video 50 % visual, permanent	-	100 % visual or 100 % video/photo and 100 % visual in the right eyepiece
Integrated camera	-	-	10 MP resolution Live image up to 35 fps (1,024 × 768 pixels) Sensor size 6.44 mm × 4.6 mm, 1/2.3" CMOS Pixel size 1.67 µm × 1.67 µm	-
Standard objectives, lead-free	Apochromats 0.5×, 0.63×, 0.75×, 1.6×, 2.0×			Apochromats 0.63×, 1.6×, 2.0×
Ergonomic eyepieces, fixed and adjustable, with cups	10× / 23, 16× / 16, 20× / 12			
Ergonomic eyepieces for eyeglass wearers, adjustable, with eyecups	10× / 23, 16× / 15, 25× / 9.5, 40×/ 6			
Interpupillary distance	50 –76 mm			

CONNECT WITH US!

Leica Microsystems (Switzerland) Ltd. | Max Schmidheiny-Strasse 201 | 9435 Heerbrugg, Switzerland
Tel. +41 71 726 34 34 | F +41 71 726 34 44

www.leica-microsystems.com