

Carefulness and commitment

BioSystems
imLD

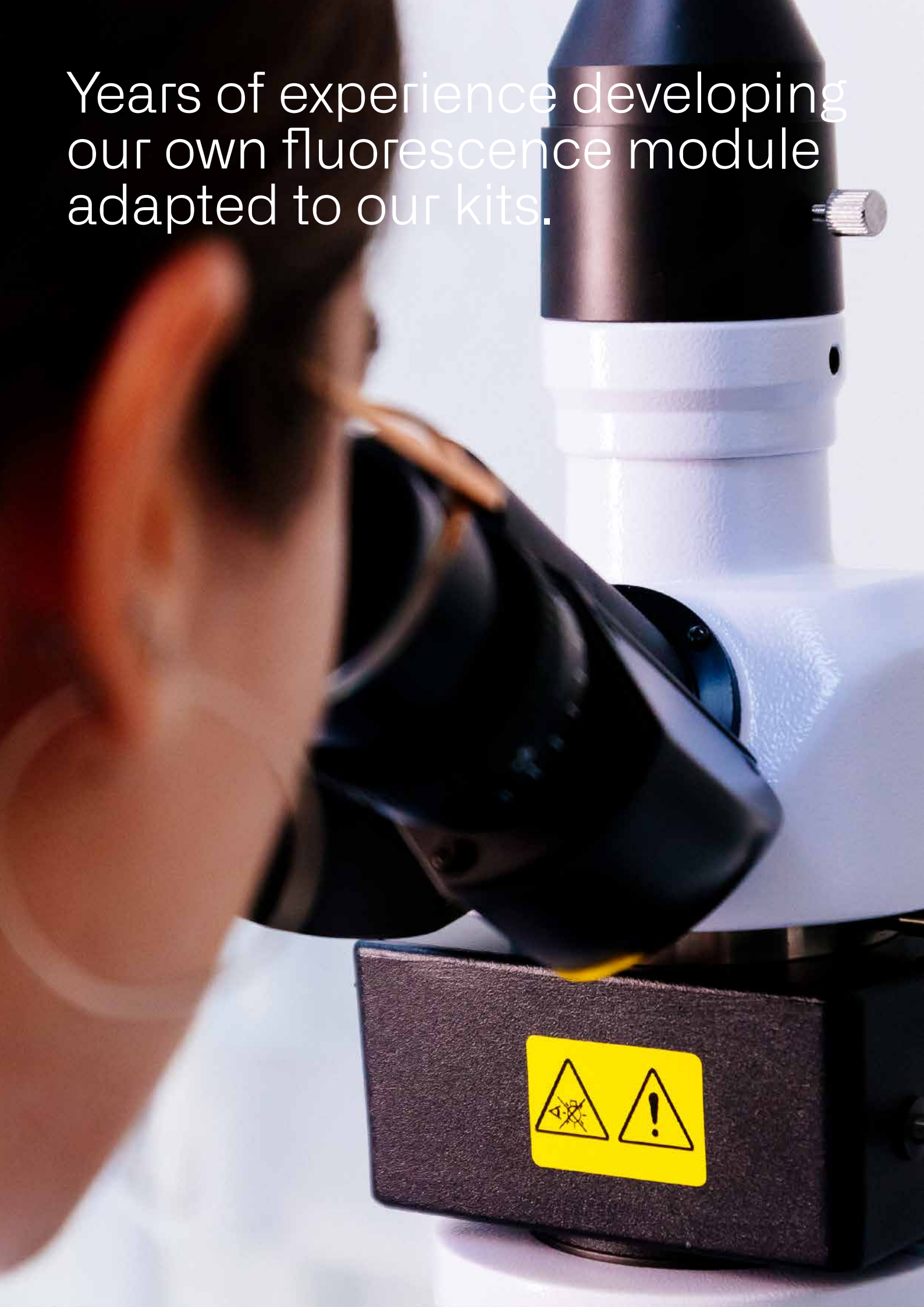
Fluorescence Microscope

Clinical analysis

human - centred biotech



Years of experience developing
our own fluorescence module
adapted to our kits.





Tailor-made visualization



Timesaving design

A long-lasting system and timesaving workflow on your daily routine are guaranteed by this reliable and easily operated optical microscope, combined with its robust optical system, constant LED light over all its lifetime and steady mechanics.



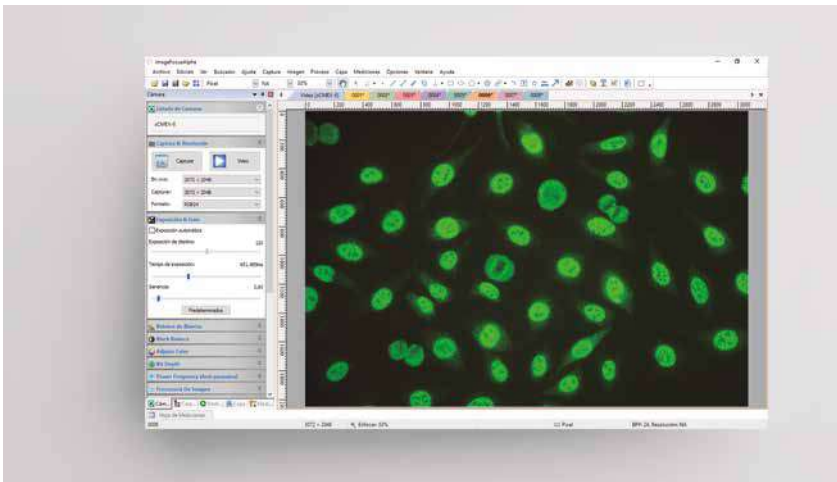
Built for you

We assure quality and functionality. Make visualization and recognition of cell or tissue patterns easier with our customized in-house built fluorescent module that fits your IIF assay reagents.



We care about you

Saving effort and energy in demanding laboratory daily routines is a must. Let us provide you with the new iCare function that will automatically switch off the optical light when you are not using it.



Enhance your life

Visualize your preparations on the screen without delay allowing you to acquire high resolution pictures, correcting light exposition settings and comparing easily different preparations is now achievable with the high-speed camera and the user-friendly camera software.

Technical Specifications

Highlights

- Trinocular head and EWF 10x22 mm paired eyepiece.
- Optical system infinity-corrected plan objectives (10x/0.25, 20x/0.40, 40x/0.65 and 100x/1.25).
- NeoLED 3 W, with brightness control.
- High power blue LED fluorescence light (470-480 nm).
- Fluorescence FITC filters.
- Automatic light switch-off thanks to the iCare function.
- High speed camera: with sCMOS Sony sensor and high speed USB 3.0 connection.
- Intuitive and user-friendly software.

Information

Item	Code
imLD microscope (optical microscope, fluorescence module, trinocular head)	84201
Trinocular head	AC17455
Digital camera	AC17454
Fluorescence module	AC17462
10x/0.25 objective	AC17540
20x/0.40 objective	AC17541
40x/0.65 objective	AC17542
100x/1.25 objective*	AC17543

* This item is not included in the 84201 code.

220 mm

400 mm



610 mm



Microscope optical system

Head	Trinocular
Eyepieces	EWF 10 x 22 mm
Objectives	Plan objectives 10x/0.25, 20x/0.40, 40x/0.65 and 100x/1.25
Optics	Infinity-corrected

Microscope bright field

Illumination	NeoLED 3 W
Power supply	AC 100 - 240 V - 50 Hz

Microscope storage

Environmental temperature	5 - 40 °C
Maximum humidity	80 %

Module illumination systems

Epifluorescence illumination	High power (3 W), blue LED (470 - 480 nm)
Fluorescence filters	Suitable for fluorescein isothiocyanate (FITC)

Module power requirements

Power adapter	7.5 V 800 mA
Input voltage	100 - 240 VAC, 50/60 Hz

Module storage

Environmental temperature	10 °C - 35 °C
Maximum humidity	< 75 %
Dimensions	102 mm (W) x 123 mm (L) x 67 mm (H)
Weight	Approx. 0.980 kg

Camera picture

Number of pixels	6.3 MP
Sensor	sCMOS SONY Exmor R
Sensor size	1/1.8"
Pixel size	2.5 x 2.5
Resolution	3072 x 2048
Exhibition time	0.244 - 15000 ms
Frames per second (max)	30 Fps

Camera software

Connection	High speed USB 3.0 connection
Program	Image Focus Alpha
Compatibility	Windows 7/8/10

Camera storage

Environmental temperature	Minus 10 - 50 °C
Humidity	30 - 80 %



Reagents

Code	Quantity	Description
ANTI-NUCLEAR ANTIBODIES HEp-2 (ANA-HEp-2)		
		HEp-2 cells
44108	24 tests	Complete kit, 6 wells
44508	60 tests	Complete kit, 6 wells
44509	120 tests	Complete kit, 12 wells
44546	10 slides	Slide box, 6 wells
44547	10 slides	Slide box, 12 wells
ANTI-nDNA ANTIBODIES (nDNA)		
		Crithidia luciliae
44825	24 tests	Complete kit, 6 wells
44818	60 tests	Complete kit, 6 wells
44817	120 tests	Complete kit, 12 wells
44820	10 slides	Slide box, 6 wells
44819	10 slides	Slide box, 12 wells
ANTI-NEUTROPHIL CYTOPLASMIC ANTIBODIES (ANCA)		
		Ethanol fixed ANCA
44850	24 tests	Complete kit, 6 wells
44851	60 tests	Complete kit, 6 wells
44852	10 slides	Slide box, 6 wells
		Formalin fixed ANCA
44878	10 slides	Slide box, 6 wells
44898	60 tests	Complete kit, 6 wells
ANTI-ENDOMYSIUM ANTIBODIES (AEA)		
		Monkey Esophagus (Endomysium)
44548	48 tests	Complete kit, 4 wells
44715	96 tests	Complete kit, 8 wells
44557	12 slides	Slide box, 4 wells
44710	12 slides	Slide box, 8 wells
AUTOANTIBODIES RL/RK/RS (ANA-AMA-ASMA-APCA-LKM)		
		Rat Liver/Kidney/Stomach
44558	48 tests	Complete kit, 4 wells
44648	96 tests	Complete kit, 8 wells
44570	12 slides	Slide box, 4 wells
44639	12 slides	Slide box, 8 wells
AUTOANTIBODIES MsL/MsK/MsS (ANA-AMA-ASMA-APCA-LKM)		
		Mouse Liver/Kidney/Stomach
44826	12 slides	Slide box, 4 wells
44827	12 slides	Slide box, 8 wells
GLOMERULAR BASEMENT MEMBRANE ANTIBODIES (GBMA)		
		Monkey Kidney
44588	12 slides	Slide box, 4 wells
ANTI-ADRENAL CORTEX ANTIBODIES (AACA)		
		Monkey Adrenal
44575	48 tests	Complete kit, 4 wells*
44574	12 slides	Slide box, 4 wells

Code	Quantity	Description
ANTI-STRIATED MUSCLE ANTIBODIES (AStMA)		
44649	12 slides	Rat Striated Muscle Slide box, 4 wells
ANTI-ISLET CELL ANTIBODIES (AICA)		
44609	48 tests	Monkey Pancreas Complete kit, 4 wells*
44572	12 slides	Slide box, 4 wells
ANTI-THYROID ANTIBODIES (ATA)		
44550	48 tests	Monkey Thyroid Complete kit, 4 wells*
44551	12 slides	Slide box, 4 wells
ANTI-SKIN ANTIBODIES (ASA)		
44560	48 tests	Monkey Esophagus Complete kit, 4 wells*
44561	12 slides	Slide box, 4 wells
ANTI-KERATIN ANTIBODIES (AKA)		
44618	48 tests	Rat Esophagus Complete kit, 4 wells*
44517	12 slides	Slide box, 4 wells
AUTOANTIBODIES DUO		
44874	60 tests	HEp-2/Monkey Liver Slide box, 6 wells

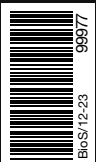
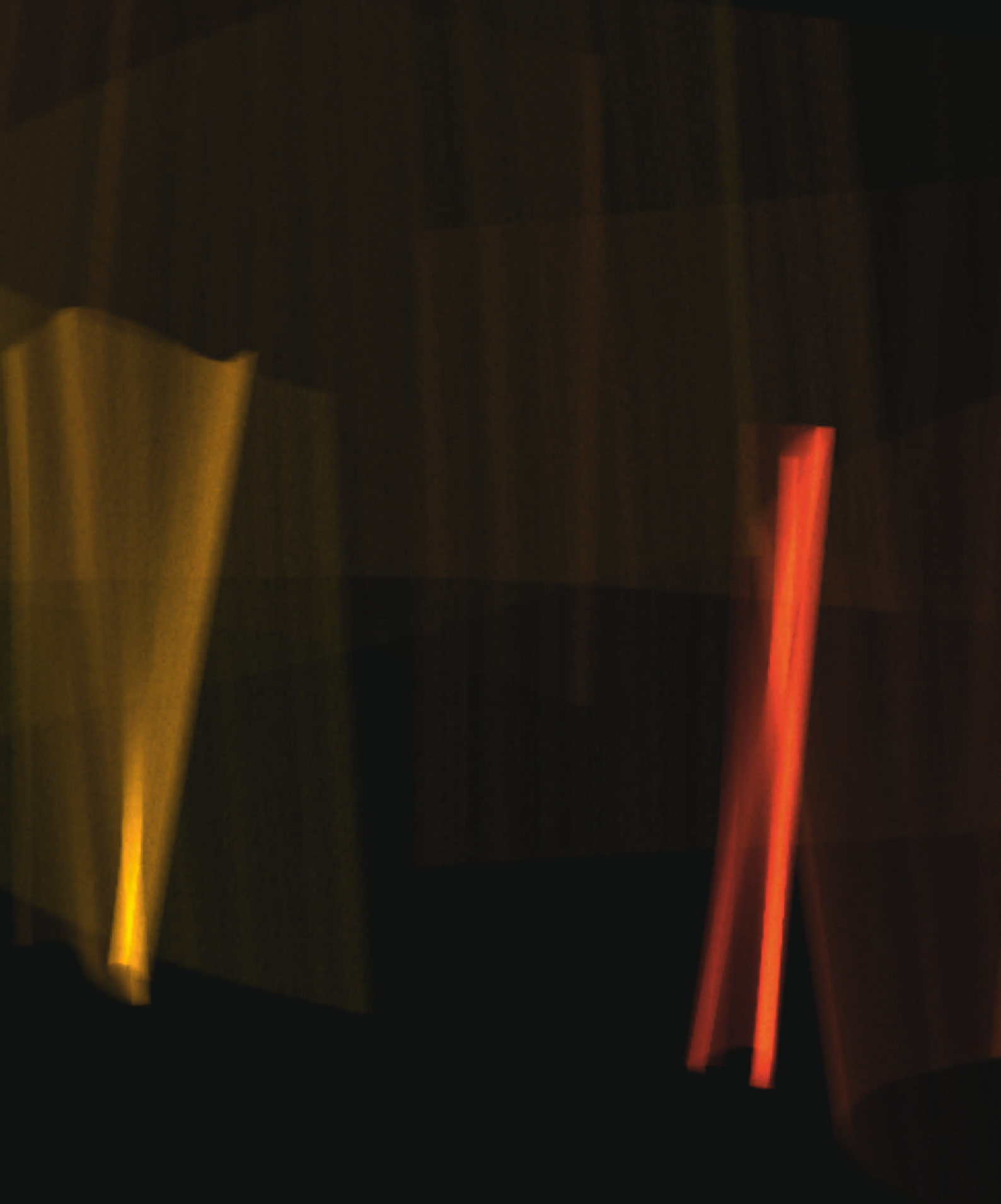
Controls*

Code	Quantity	Description
44889	2.0 mL	Negative Control
44890	2.0 mL	Anti-Nuclear Antibodies-Homogeneous Positive Control
44893	2.0 mL	Anti-Endomysium Antibodies IgA Positive Control
44891	2.0 mL	Anti-Mitochondrial Antibodies Positive Control
44892	2.0 mL	Anti-Smooth Muscle Antibodies Positive Control
44894	2.0 mL	Anti-nDNA Antibodies Positive Control
44912	2.0 mL	C-ANCA Positive Control
44913	2.0 mL	P-ANCA Positive Control

*Sale of controls is subject to availability. This also applies to the kits.

Conjugates

Code	Quantity	Description
For Monkey tissues		
IgG FITC/Evans (M)		
44847	3.5 mL	Anti-(Monkey adsorbed) IgG FITC conjugate, contains Evans Blue.
44882	10 mL	For use with GBMA, AICA, ATA, ASA and AACA.
IgG FITC/Evans (M) hs		
44914	3.5 mL	High sensitive Anti-(Monkey absorbed) IgG FITC conjugate, contains Evans Blue.
44915	10 mL	For use with AEA.
IgA FITC/Evans		
44692	3.5 mL	Anti-IgA FITC conjugate, contains Evans Blue.
44835	10 mL	For use with AEA.
For Rat and Mouse tissues		
FITC/Evans (R)		
44590	3.5 mL	Anti-(Rat adsorbed) IgG, IgA, IgM FITC Conjugate, contains Evans Blue.
44836	10 mL	For use with ANA, AMA, ASMA, APCA and LKM.
For HEp-2, nDNA, ANCA and Rat and Mouse tissues		
IgG FITC/Evans		
44697	3 mL	Anti-IgG FITC conjugate, contains Evans Blue.
44834	10 mL	For use with HEp-2, nDNA, ANCA, AStMA, AKA, ANA, AMA, ASMA, APCA and LKM.
Auxiliary Reagents		
Miscellaneous		
44592	100 mL	PBS (10x)
44962	500 mL	PBS (10x)
44694	3 mL	Mounting medium
44846	10 mL	Glycin (for GBMA)
44897	100 u.	Coverslips (24 x 60 mm)
BO13416	100mL	Washing solution



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Management
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ISO 9001:2015

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