

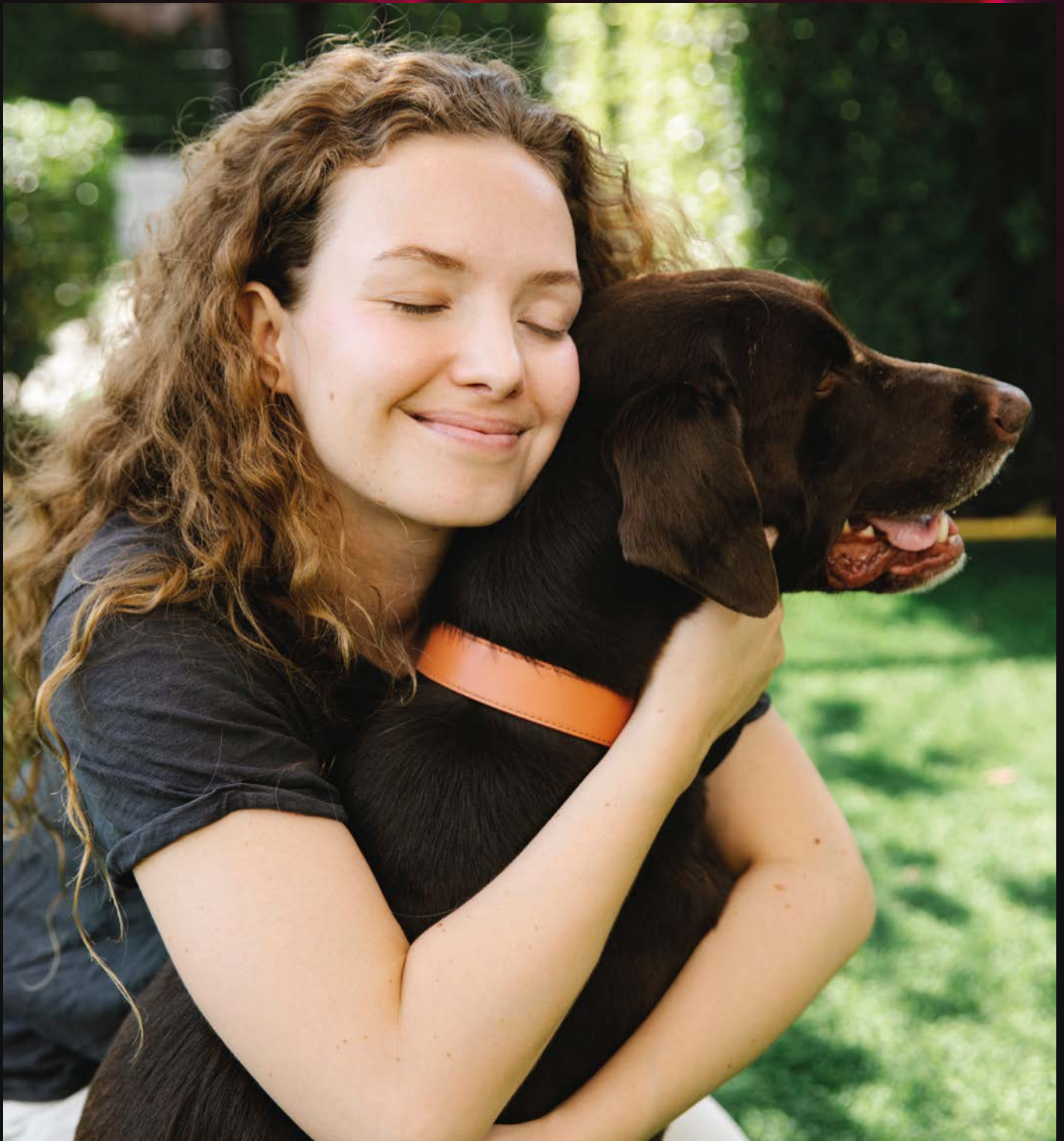
# Care and commitment

BioSystems  
imLD

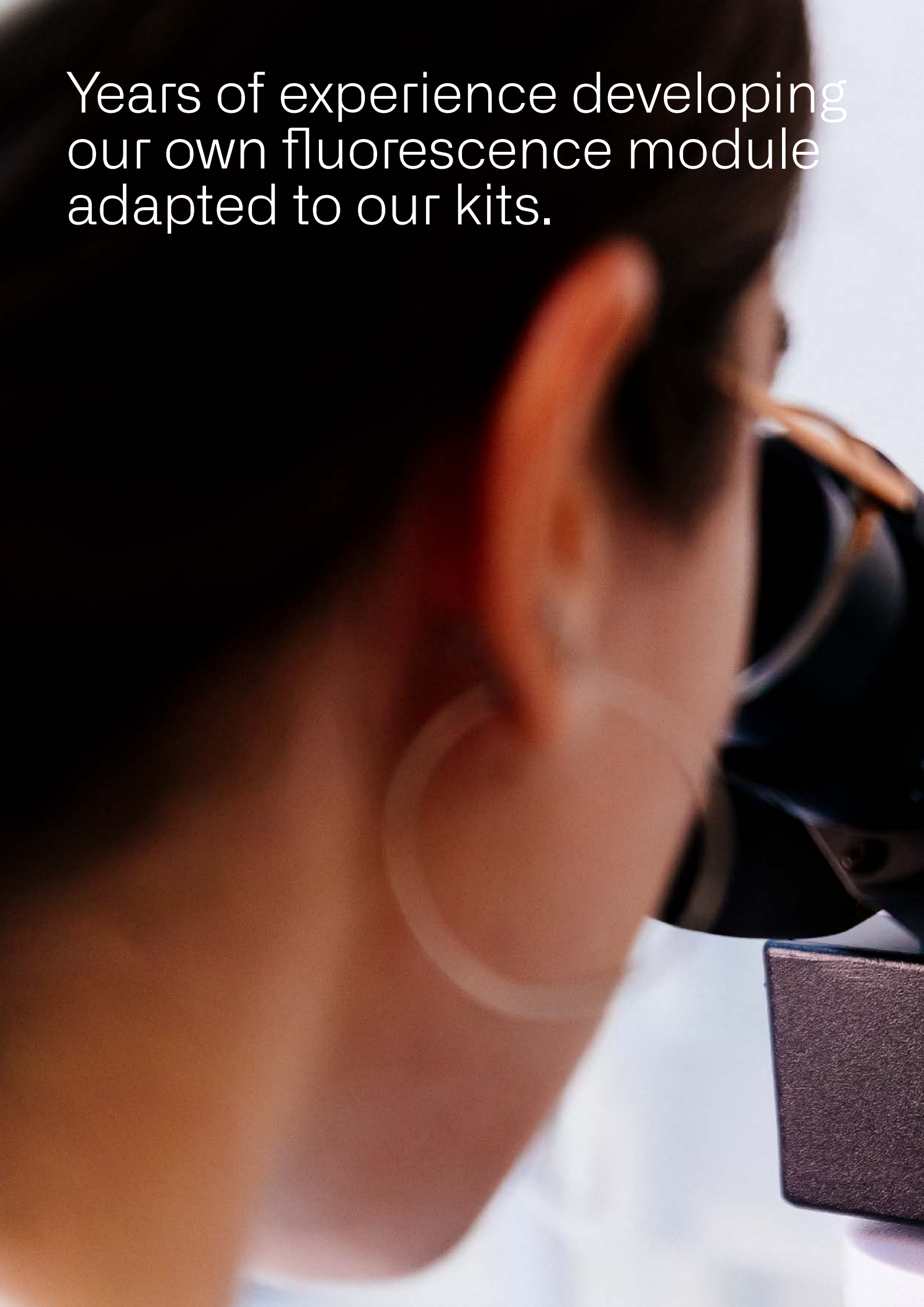
Fluorescence Microscope

Veterinary analysis

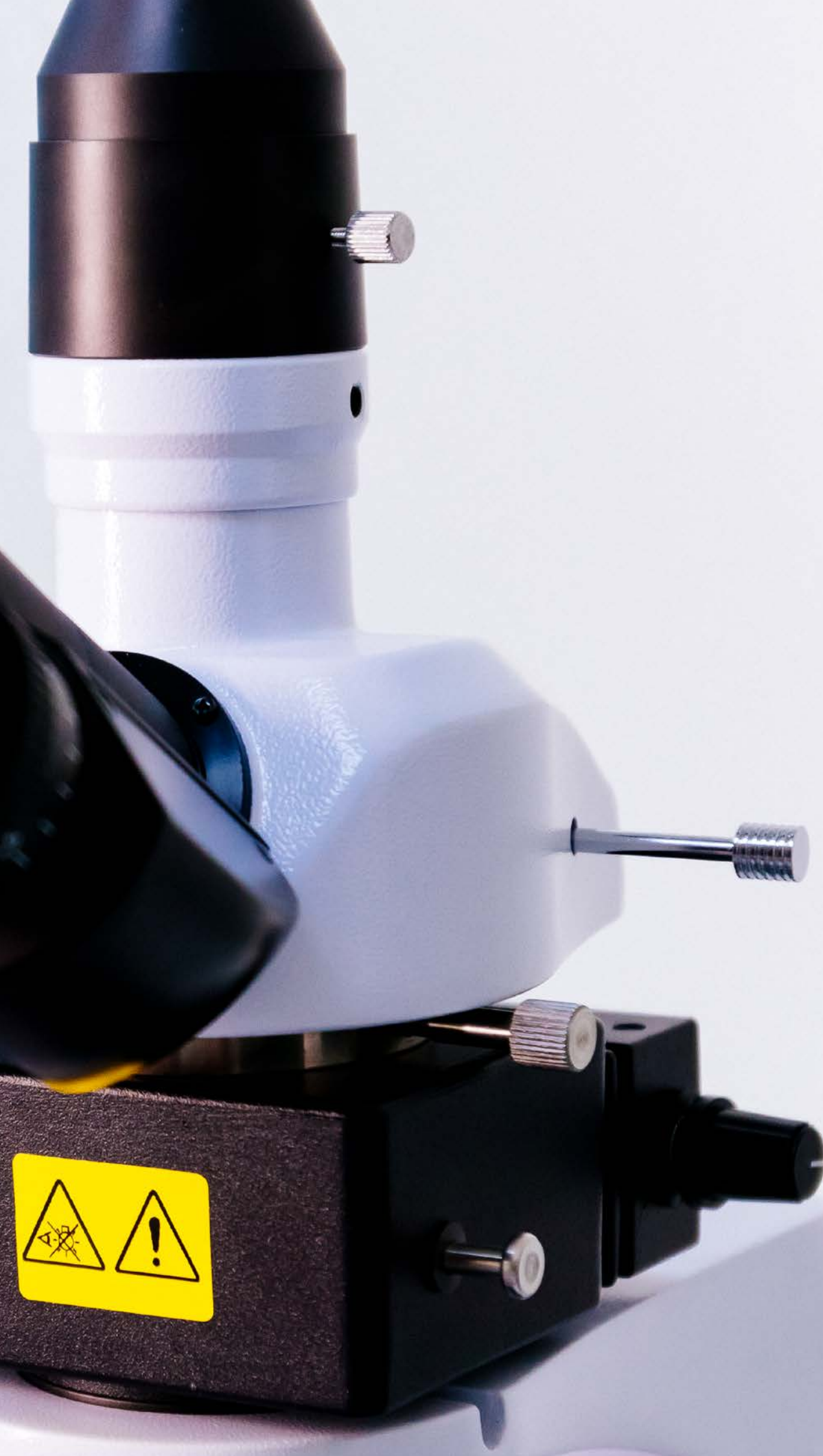
human - centred biotech



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







# Customized visualization



## Designed to save time

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.



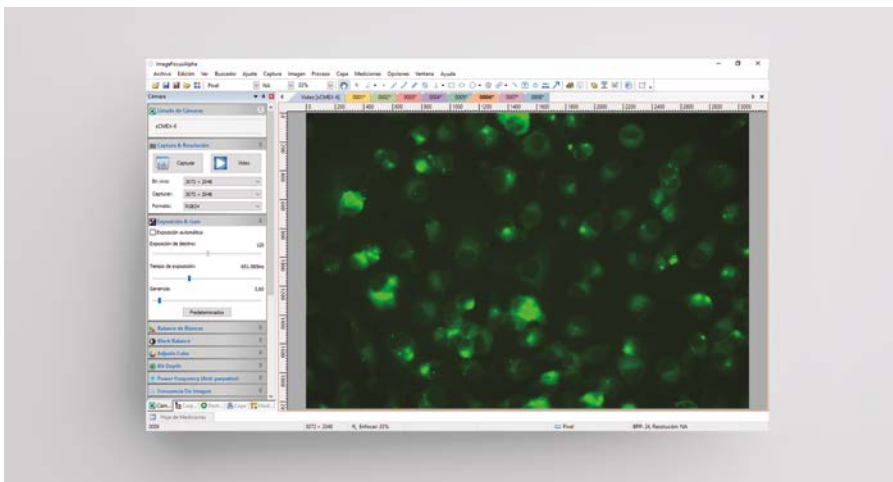
## Designed for you

Quality and functionality are assured. Get better definition and visualisation of Leishmania and Ehrlichia, with the tailor-made fluorescence module for our IFA reagents.



## We take care of the details

Saving time and effort in the daily laboratory routine is indispensable. We offer you the new iCare function, which automatically turns off the optical light when is not in use.



## Facilitates your life

It is now possible to view preparations directly and without delay on the screen, take high-resolution photos, correct light exposure settings and easily compare different preparations thanks to the high-speed camera and intuitive software.

# Technical specifications

## Highlights

- Optical system infinity-corrected plan objectives (10x/0.25, 20x/0.40 and 40x/0.65)..
- High power blue LED fluorescence light (470-480 nm).
- 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.

## Ordering information

Item	Code	Quantity
imLD microscope (optical microscope, fluorescence module, trinocular head)	84201	-
Trinocular head	AC17455	1 unit
Digital camera	AC17454	1 unit
Fluorescence module	AC17462	1 unit

220 mm

400 mm



610 mm



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**Microscope optical system**

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

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**Microscope bright field**

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

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**Microscope storage**

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Environmental temperature	5 - 40 °C
Maximum humidity	80 %

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**Module illumination systems**

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

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**Module power requirements**

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Power adapter	7,5 V 800 mA
Input voltage	100 - 240 VAC, 50/60 Hz

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**Module storage**

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Environmental temperature	10 °C - 35 °C
Maximum humidity	< 75 %
Dimensions	102 mm (W) x 123 mm (L) x 67 mm (H)
Weight	Aprox. 0,980 kg

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**Camera picture**

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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

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**Camera software**

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

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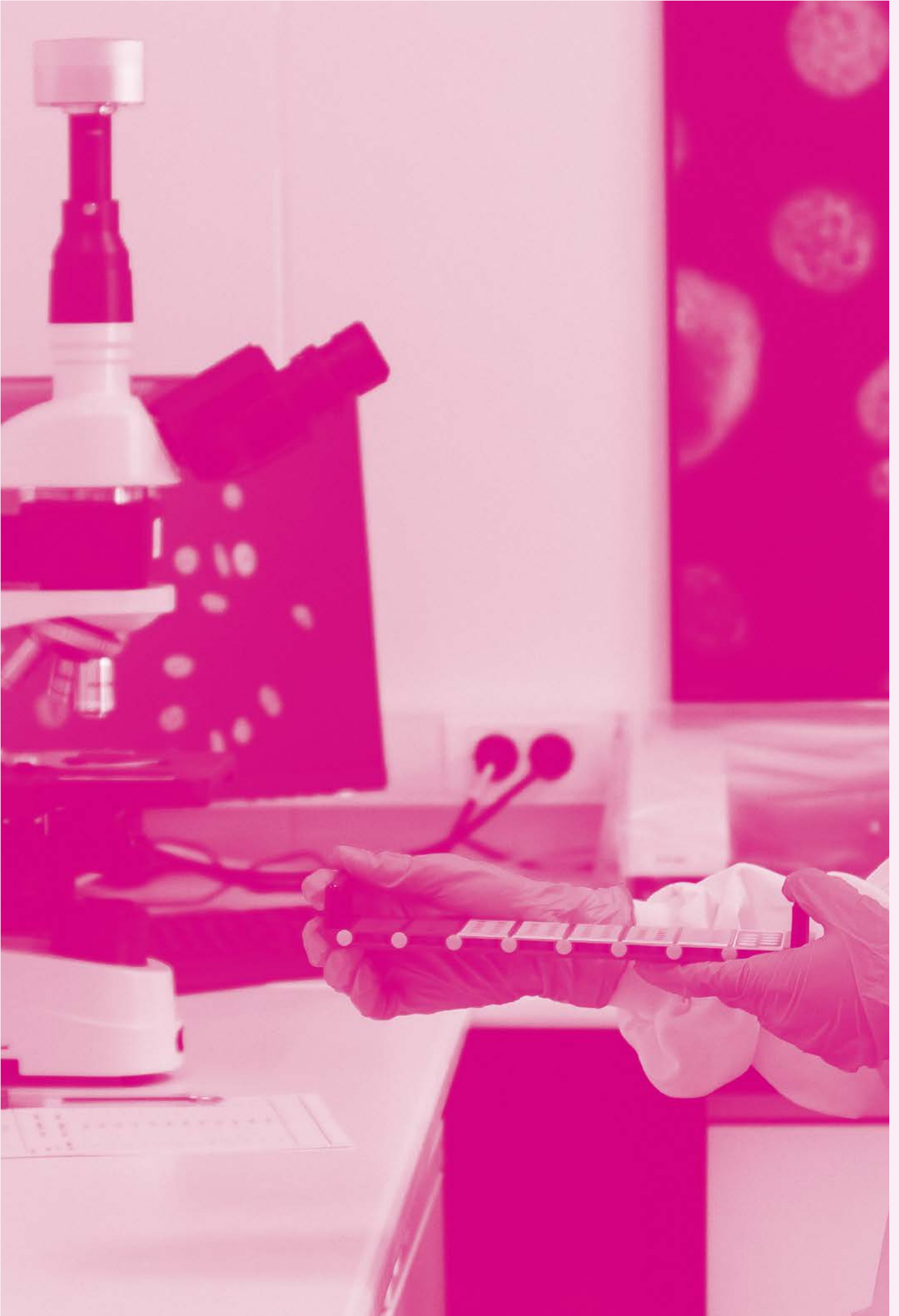
**Camera storage**

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

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# Reagents

Code	Quantity	Description
<b>ANTI-EHRlichIA ANTIBODIES (EHRlichIOSIS)</b>		
44955	120 tests	Complete kit, 12-wells
44956	120 tests	Box of 10 slides, 12-well
<b>ANTI-LEISHMANIA ANTIBODIES (LEISHMANIOSIS)</b>		
44950	120 tests	Complete kit, 12-wells
44951	120 tests	Box of 10 slides, 12-wells

# Controls

Code	Quantity	Description
44957	0,3 mL	<i>Ehrlichia Canis</i> Canine Positive Control
44953	0,3 mL	<i>Leishmania Infantum</i> Canine Positive Control
44954	0,3 mL	Canine Negative Control

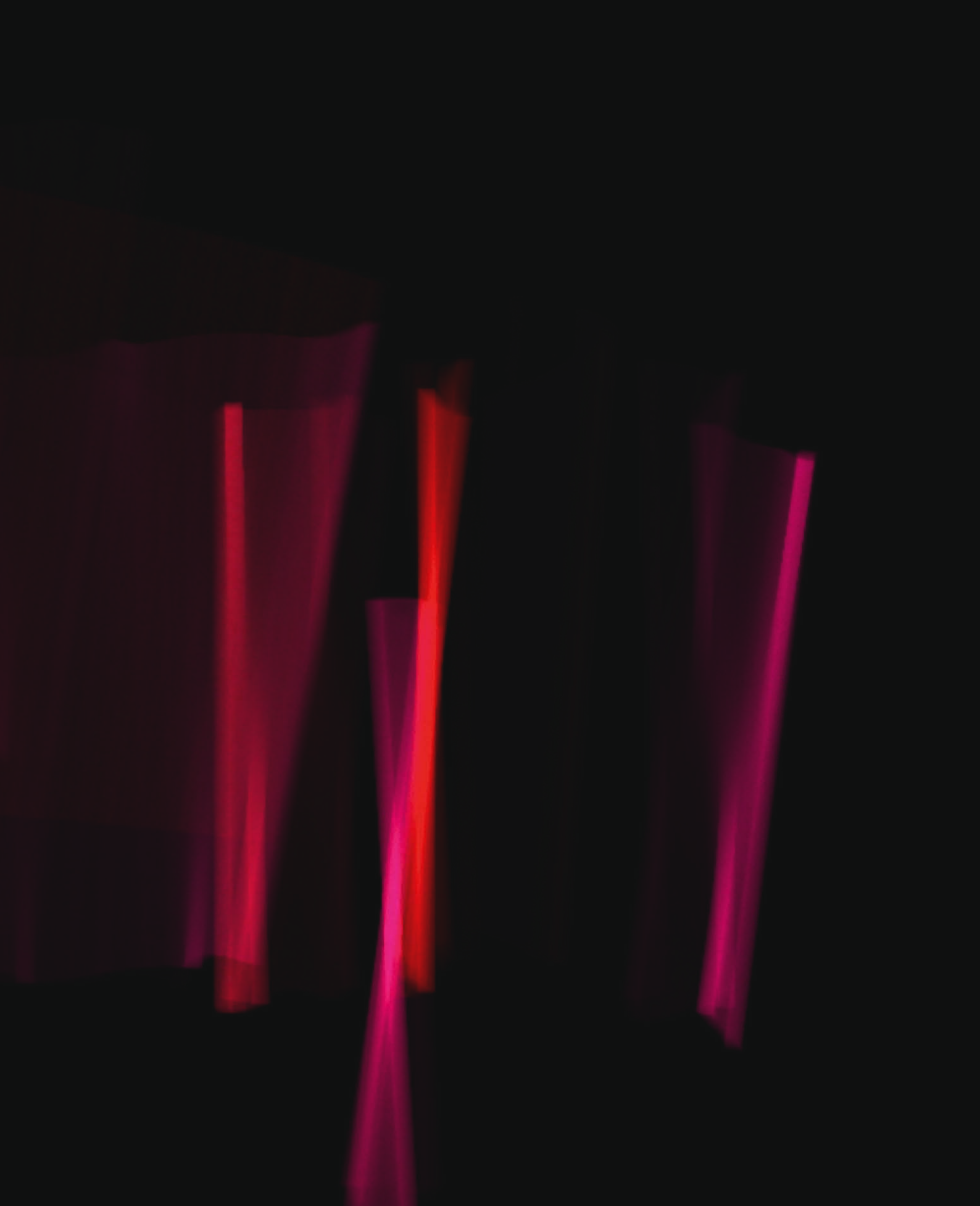
# Conjugates

Code	Quantity	Description
<b>CONJUGATE IgG FITC/EVANS DOG (LEISHMANIA/EHRlichIA)</b>		
44952	3,5 mL	1 dropper
44960	10 mL	1 bottle

# Reagents and auxiliary materials

Code	Quantity	Description
<b>MOUNTING MEDIUM</b>		
44959	3 mL	1 dropper
<b>PBS 10X</b>		
44958	100 mL	1 bottle
44962	500 mL	1 bottle
<b>BLOTTING PAPER</b>		
44669	10 units	1 bag (10 x 12 wells)
<b>COVERSLIPS</b>		
44897	100 units	1 box (24 x 60 mm)





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Management  
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