

iPRO

BioSystems

Accuracy and effectiveness

Immunofluorescence Processor

Veterinary analysis

human - centred biotech



Designed to work more
and better in less space.





Making your lab bigger



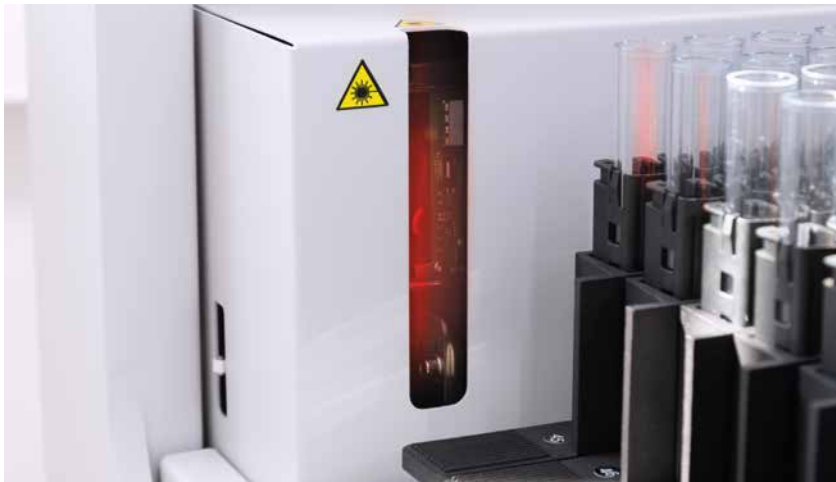
Smart your workflow

Save time for what is really important by processing more samples in a single load and removing them after dilutions. iPRO processor is totally autonomous.



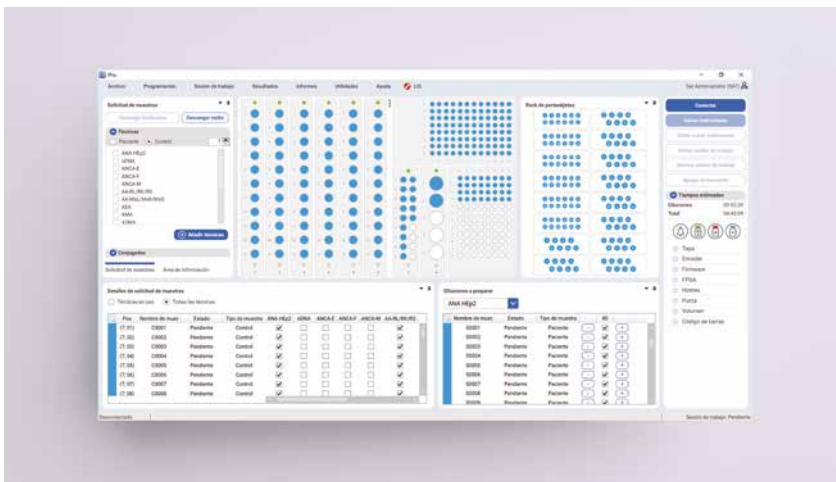
Expand your lab

Optimize your lab with a cost-effective and compact design device. A lot of functionalities in a small device.



Trace your samples

Have an automated and complete register of the samples. Full traceability from start until the end of the procedure avoiding handling errors and speed up your work sessions.



User co-designed software

Your feedback is decisive for us. Make your lab routine easier and faster by using our user co-developed software layout. All the IFA steps shown in a single screen.

Technical Specifications

Storage

Dimensions - lid closed (WxDxH) 775 x 620 x 550 mm

Dimensions - lid open (WxDxH) 775 x 720 x 885 mm

Weight (net) 83 Kg

Operating environment

Temperature 10 - 35 C

Humidity < 75 %

Power requirement 115 - 230 VAC, 50/60 Hz, 150 VA

Processing

Traceability Linear barcode reader

Sample capacity 66 samples

Sample tubes Adaptable to 3 types

Minimum volume aspirated 3 µL

Minimum pipetting volume 1 µL steps

Control tubes 2 mL or 0.3 mL

Control capacity 18 controls

Reagents capacity 5 bottles (up to 10)

Reagents volume 25 µl minimum by steps of 1 µl

Diluent cuvettes 2 (192 vials of 1.2 mL)

Needles 2 (1 dispensation needle + 1 aspiration needle)

Slide capacity 16 slides

Slide washing Flux system using simultaneously dispensing and aspirating probes

External tanks 3 L PBS, 1 L washing solution, 3 L waste

Liquid detection Level detection by conductivity

Accuracy

Inaccuracy < 1% at 3 µL

Resolution 0.126 µL

Dispensing rate Max. 880 µL/s

Minimum PC requirements

CPU Intel Core i3 @3.30 GHz or superior

Operating system Windows 10 64 bits (x64)

Installed RAM 6 Gbytes

Display resolution Monitor SVGA, 1280x800

Connectivity USB

Certificates

CE 98/79/CE

Highlights

- Adaptable racks to 3 sample tube types (13 mm x 100 mm, 15 mm x 100 mm or 2 mL).
- 2 dilution trays of 96 vials (1.2 mL).
- 2 slide plates (16 slides).
- Capacity for up to 10 reagents (15 mL), 18 controls (2 mL), 1 additional diluent (50 mL).
- Reagents reservoirs: 1 L washing solution bottle, 3 L waste bottle, 3 L buffer bottle.
- Level sensor by conductive probe.
- Slide washing flux system utilizing simultaneous dispensing and aspirating probes.
- On-board automatic barcode reader.

Ordering Information

Item	Code	Quantity
iPRO processor	84101	-
PBS (10x)	44592	100 mL
PBS (10x)	44962	500 mL
Concentrated washing solution	BO13416	100 mL
iPRO dilution tubes (1.1 mL)	AC14682	120 strips





Reagents

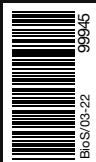
Code	Quantity
Conjugates	
CONJUGATE IgG FITC/EVANS DOG (LH/EHR)	
44960	10 mL
44952	3.5 mL
Immunofluorescence Controls	
<i>EHRlichia canis</i> CANINE POSITIVE CONTROL	
44957	0.3 mL
<i>LEISH infantum</i> CANINE POSITIVE CONTROL	
44953	0.3 mL
CANINE NEGATIVE CONTROL	
44954	0.3 mL
Substrates	
ANTI-EHRlichia ANTIBODIES (EHRlichiosis) KIT	
44955	120 tests
ANTI-EHRlichia ANTIBODIES (EHRlichiosis) SLIDES	
44956	120 tests
ANTI-LEISHmania ANTIBODIES (LEISHmaniosis) KIT	
44950	120 tests
ANTI-LEISHmania ANTIBODIES (LEISHmaniosis) SLIDES	
44951	120 tests

Auxiliary reagents

Code	Quantity	Description
Miscellaneous		
44959	3 mL	Mounting medium
44669	10 mL	Blotting paper (10 x 12 poc)
44897	100 u.	Coverslips (24 x 60 mm)



Compact design, efficient
and fully automatic.



BioSystems S.A.
Costa Brava 30, 08030 Barcelona (Spain)
t. +34 933 110 000
veterinary@biosystems.es
www.biosystems.global



Management
System
ISO 9001:2015

www.tuv.com
ID 0091006696