

FluorVivo Pathfinder™ *Second Generation*

Open Chamber Fluorescence Imaging System for Small and Large Animals *in vivo*

A new member of the FluorVivo family from  **INDEC BioSystems**

If you need

- high-speed, real-time *in vivo* fluorescence imaging
- to work with small or large animals
- access to your prep while imaging
- to perform fluorescence-guided surgery or rapid fluorescence screening

then allow us to introduce the *FluorVivo Pathfinder Second Generation*.

Pathfinder grabs multicolor images at high rates, while displaying full-sized images that update smoothly and rapidly. The open chamber allows interaction with the animal while imaging, and the high frame rate enables the fluid eye-hand coordination required in surgical applications.



FluorVivo's new technology allows imaging an animal under an open hood, free of the confines of a traditional chamber. Under conditions of subdued lighting, Pathfinder delivers both excellent high-speed image streams, and static images suitable for quantitative analysis.

Pathfinder also delivers high-speed, real-time spectral separation that allows the autofluorescent background to be separated during surgery or interactions with the animal (see image, bottom of next page). Pathfinder operates over a wide spectrum, from visible to nIR wavelengths.

Pathfinder 100 is a single wavelength system whose modular design allows upgrades to multiprobe use. *Pathfinder 300* adds multiple fluorescence channels of the user's choice; switching from one channel to another is as simple as moving a slider.

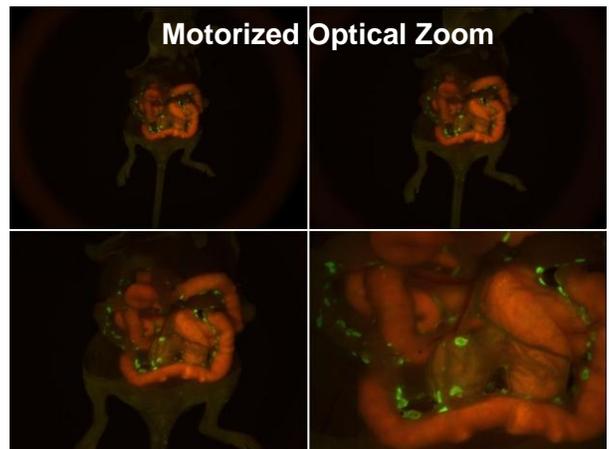
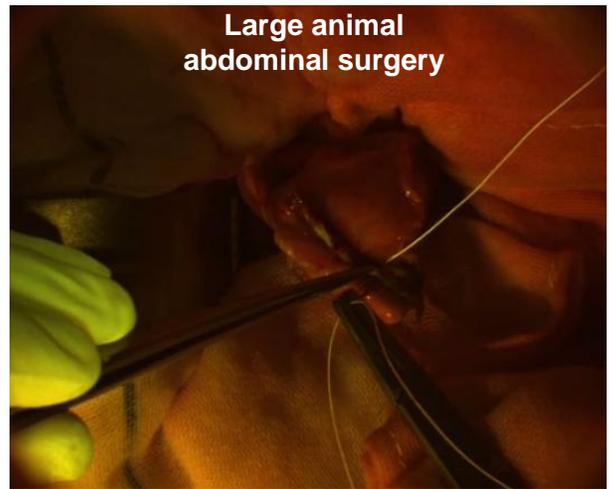
For microscopic applications, complement Pathfinder with *FluorVivo Mag*, for cellular imaging *in vivo*.

Typical Applications

- Screening of animals for fluorescent tumors or other structures
- Fluorescence-guided surgery
- Observation and recording of dynamic fluorescence signals.

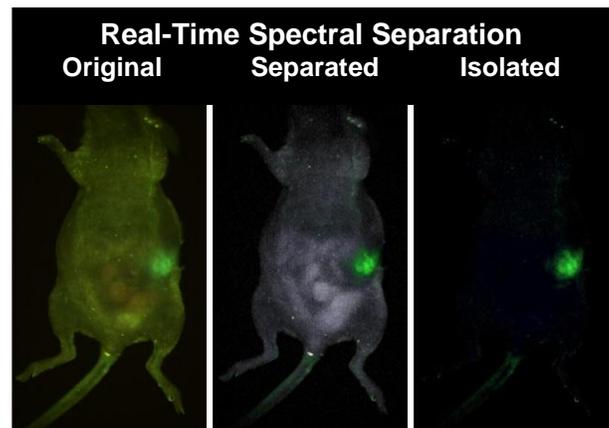
Unique Features of the FluorVivo Pathfinder

- **Open chamber** – image, record and measure, all while having full access to the preparation
- **Interactive** – high-speed, real-time imaging for natural hand-eye coordination
- **Compact** – the versatile design makes it ideal for laboratories and surgical suites with minimal free space
- **Multicolor imaging** – full, natural color images are intuitive and immediately understandable, with almost no learning curve
- **Full spectrum** – choose channels from ICG (near IR) to CFP/GFP (visible)
- **Optimized** – for simultaneous imaging (in a single exposure) of both green and red fluorophores
- **Motorized optical zoom** – convenient, adjustable magnification over a 5x range
- **Hands-free** – foot pedals allow hands-free zoom control, image capture, and image manipulation
- **Quantitative fluorescence imaging** – manual and automated image analysis
- **Video recording** – record full-screen video to disk for later inclusion in presentations



Pathfinder is

- **Fast** – real-time, true color, dynamic video imaging
- **Simple** – hardware and software are powerful and easy to use
- **Efficient** – streamlined operation, for use by a single person
- **Affordable** – with the lowest cost of ownership on the market for this level of technology, with no maintenance cost



More than the Sum of its Parts

This unique combination of capabilities and affordability makes Pathfinder the most cost-effective open-chamber *in vivo* fluorescence imaging system available.

To learn more, please contact us:

INDEC BioSystems
4701 Patrick Henry Dr., Bldg. 24
Santa Clara, CA 95054
USA

Tel.: +1-408-986-1600
Fax: +1-408-986-1605
Email: sales@indecsystems.com
Web: www.indecbiosystems.com