

FluorVivo™ 100

Small Animal Fluorescence Imaging

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



The *FluorVivo Model 100* represents **the next generation** in *in vivo* fluorescence imaging of small animals. The Model 100 performs *in vivo*, whole body imaging of fluorescent structures, supporting a single probe of your choice from blue to the NIR. It is an ideal starter system, optimized for a broad range of scientific applications, from basic research to pre-clinical drug screens.

FluorVivo is a **personal** single-wavelength instrument that complements your current fluorescence instruments and is available at a fraction of the cost of other *in vivo* imaging systems. FluorVivo's **modularity** means you can always elect to add useful options to the system to upgrade or adapt it to new experimental requirements. FluorVivo brings the power of *in vivo* imaging and analysis both to core facilities and the individual laboratory.

The Model 100 is modular and fully upgradeable to accommodate multiprobe applications, supports multiple cameras for more speed/sensitivity options, and can be complemented by a variable magnification option, the *FluorVivo Mag*.

Essential and Unique Features of the Model 100

- *In vivo* fluorescence imaging of a single probe from CFP and GFP out to ICG in the NIR – you specify the probe
- When used for GFP, it is optimized for simultaneous imaging (in a single exposure) of both GFP and RFP
- **Real time multicolor** imaging – images are in full color
- **Live video imaging and recording** – perfect for fluorescence surgery applications
- **Quantitative** – manual and automated analysis capabilities included
- A complete, **turn-key system** with the lowest cost of ownership on the market

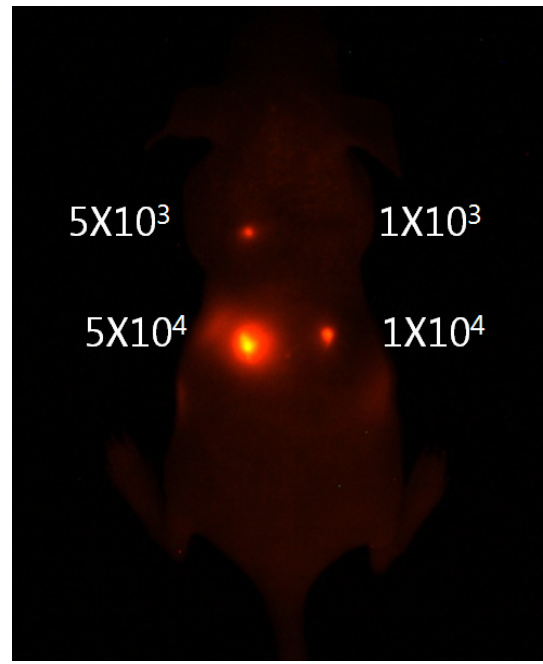
Applications

Applications include live animal screening, fluorescence-guided surgery, dynamic imaging, tumor growth, angiogenesis, stem cell research, and validation of animal models.

The Power of Fluorescence Imaging

In vivo fluorescence imaging techniques offer significant benefits when compared with bioluminescence methods:

- Speed – Real-time imaging so fast that anesthesia is often not required; each acquisition takes only a fraction of a second
- Efficiency – streamlined operation, even by a single person
- Convenience – anesthesia is rarely required
- Portability – pick it up by hand and move it
- Simplicity – a gentle animal restraint is usually sufficient
- Economy – new low price point, no ongoing maintenance costs
- Flexibility – genetic control of expression of multiple, distinct fluorescent proteins permit almost unlimited experimental possibilities
- Future prospects – will take optimal advantage of new markers (e.g. new fluorescent proteins, quantum dots)



Subcutaneous injections of cells pre-labeled with fluorescent nanoparticles. Values indicate the number of cells injected at each spot.

More than the Sum of its Parts

Imaging with FluorVivo can be as simple as this:

1. Place the animal in its restraint
2. place the restraint in the chamber.
3. Start the software – FluorVivo starts collecting data immediately.

FluorVivo's software tools deliver quantitative measurements and data reporting, for data analysis as simple and reliable as taking a picture. The unprecedented ease of use and cost-effectiveness make FluorVivo an important tool for molecular imaging, for both basic and pre-clinical research.



ICG fluorescence following a tail vein injection. The liver appears in the right side of the animal, while 3 tumors appear on the left side.

This unique combination of capabilities and affordability makes FluorVivo the most cost-effective *in vivo* fluorescence imaging system available in the market today.

For more information, please contact us:

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