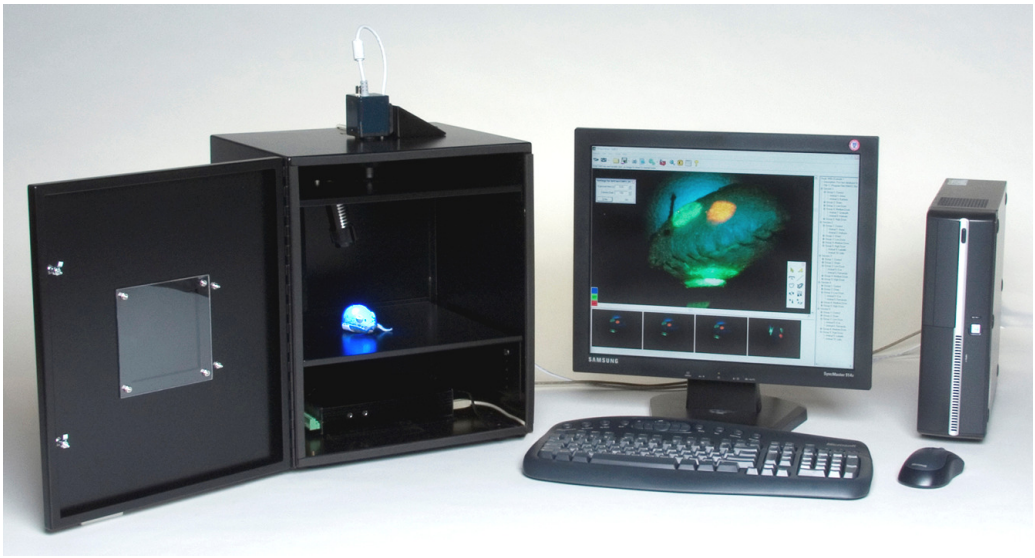
FluorVivo™

Small Animal Fluorescence Imaging

from

INDEC BioSystems in partnership with ANTICANCER INCORPORATED



Chamber door open; note fluorescent specimen.

FluorVivo is a new *in vivo* fluorescence imaging system developed by INDEC BioSystems in cooperation with AntiCancer, Inc. *FluorVivo* provides simple, fast, non-invasive, *in vivo* imaging of fluorescent structures and is suitable for a broad range of scientific applications, from basic research to pre-clinical drug screens. *FluorVivo* is a *personal* instrument, available at a fraction of the cost of other *in vivo* imaging systems. *FluorVivo* brings the power of *in vivo* imaging and analysis both to core facilities and the individual laboratory.

Focus of *FluorVivo*

FluorVivo is specifically designed for *in vivo* fluorescence imaging, and is optimized for GFP and RFP. It includes all of the essential components in one complete, easy to use system. FluorVivo accelerates image acquisition, analysis and, ultimately, discovery.

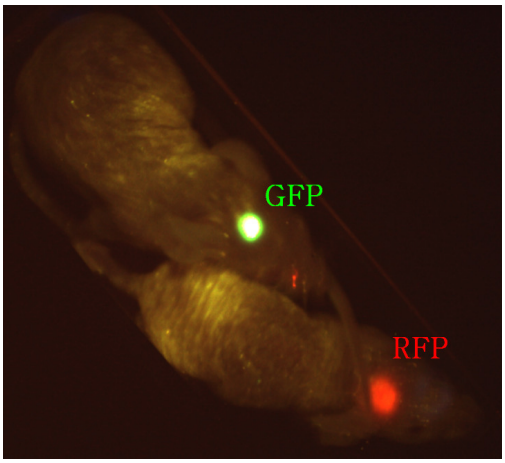
Benefits of *in vivo* imaging

In vivo imaging offers many unique advantages. By being non-invasive, it is ideally suited to long term studies. Its lower magnification and larger field of view permit studies monitoring changes in fluorescence in the intact animal and complement other techniques such as microscopy. Applications in basic research include studies of gene expression and apoptosis, tumor growth and angiogenesis, and metastasis and invasion. Pre-clinical applications include drug screenings, drug targeting, and validation of animal models.

Power of fluorescence imaging

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

- Speed – exposure times are typically less than 1/10th of a second.
- Efficiency – streamlined operation, even by a single person.
- Convenience – anesthesia is rarely required.
- Simplicity – a gentle animal restraint is usually sufficient.
- Economy – no costly injected substrates are required.
- Flexibility – genetic control of expression of multiple, distinct fluorescent proteins permit almost unlimited experimental possibilities.
- Future prospects – ongoing development of markers (e.g. new fluorescent proteins, quantum dots) assures a bright future for this technology.



Labeled human glioma cells growing in the brains of mice.

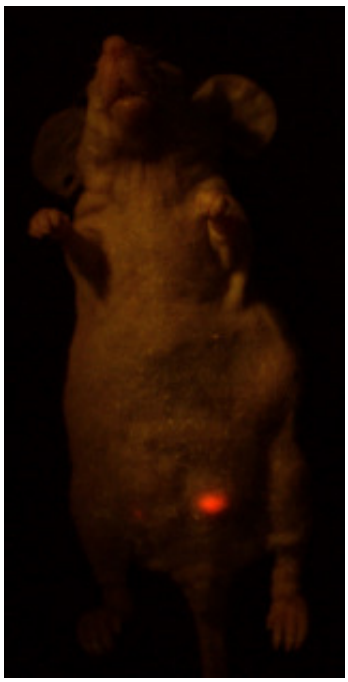
More than the sum of its parts

Imaging with *FluorVivo* can be as simple as this: place the animal in its restraint and place the restraint in the chamber. Then click the button to begin collecting data – each acquisition takes only a fraction of a second.

FluorVivo's quantitative capabilities for measurement and image analysis, together with its internal data base and reporting tools make data analysis as simple and reliable as taking a picture.

This unprecedented ease of use and cost-effectiveness make *FluorVivo* an important tool for molecular imaging, for both basic and pre-clinical research.

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



RFP-labeled IP tumor imaged with simultaneous brightfield illumination.

INDEC BioSystems' Fluorvivo family of products are licensed under agreement from AntiCancer, Inc, (www.anticancer.com) such that non-profit entities purchasing this system are licensed under patents for imaging of fluorescent proteins held by AntiCancer and Caliper LifeSciences Corporation (www.xenogen.com). Additional licenses are necessary for commercial purposes. For additional information, contact AntiCancer, Inc. and Caliper LifeSciences (www.caliperls.com).

To arrange an on-site demonstration, please contact INDEC BioSystems.

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