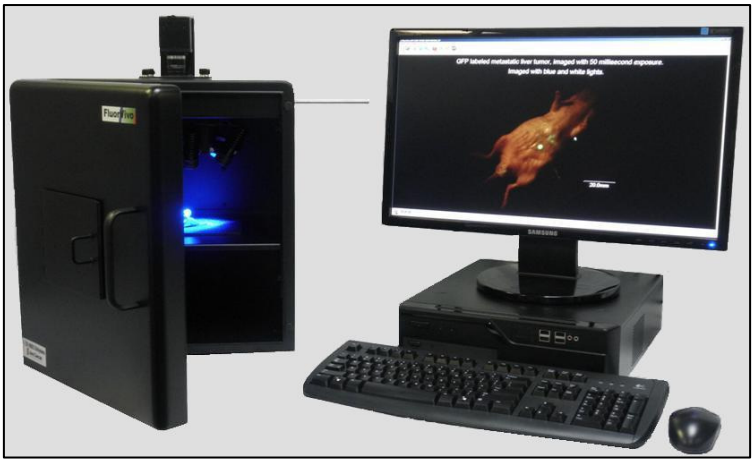
FluorVivo™ 300

Small Animal Fluorescence Imaging

a member of the **FluorVivo family** from

INDEC BioSystems in partnership with **AntiCancer Incorporated**



Summary

The *FluorVivo 300* is one of INDEC BioSystems' family of **next generation** *in vivo* imaging solutions. Developed in conjunction with AntiCancer, Inc., the FluorVivo 300 provides simple, fast, non-invasive **whole body** fluorescence *in vivo* imaging. FluorVivo 300 brings powerful imaging and analysis capabilities to a broad range of laboratories, ranging from basic research to pre-clinical drug evaluation and screening.

FluorVivo is a personal 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 300 has all the capabilities of the Model 100 but allows **three** alternative probes to be imaged, selectable from CFP and GFP out to ICG in the NIR (see the list overleaf). Switching between probes is simply accomplished via software setting and manually moving a slider. Choose the fluorophores you wish to use, and we will configure the Model 300 for optimum results.

Essential and Unique Features of the Model 300

- *In vivo* fluorescence imaging for your choice of three probes (see Table 1 below)
- 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
- Your choice of camera – choose between different image size, speed and sensitivity
- **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.

Powerful Yet Easy-to-Use Software

- Intuitive control of acquisition parameters
- Quantitative image analysis: spatial and intensity measurements, manual and automated
- Export images, measurements to standard formats
- Simple to learn, easy to use

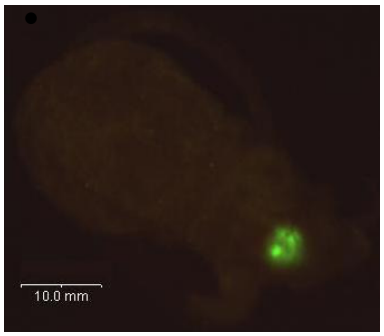
The Advantages of Fluorescence Imaging

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

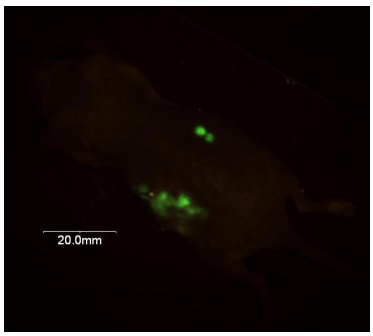
- Speed – Real-time imaging so fast that anesthesia is not required; each acquisition takes only a fraction of a second
- Economy – new low price point, no maintenance cost
- Portability – pick it up by hand and move it
- Flexibility – genetic control of expression of multiple, distinct fluorescent proteins permit almost unlimited experimental possibilities
- Future prospects – will take optimal advantage of new markers (e.g. new fluorescent proteins, quantum dots)

Table 1. Probe Choices

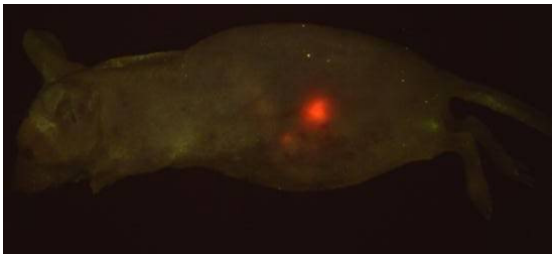
Channel Name	Relevant Probes
Cyan	CFP
Green	GFP, Cy2™ Qdot® 525
Yellow	YFP
Amber	RFP, Cy3 Alexa Fluor® 555, 568 dsRed2, mCherry Qdot 605, 625
Red	Texas Red Alexa Fluor 594 Katushka/mKate mCherry, mPlum Qdot 655
Deep Red	Alexa Fluor 633, 635 Bodipy 630/650-x Qdot 705
Ultra Red	Cy5, DDAO Chlorin e6 Alexa Fluor 647
nIR-1	Cy5.5, IFP1.4 LiCor IR700 Alexa Fluor 680, 700
nIR-2	Cy7, Alexa Fluor 750
nIR-3	ICG



GFP-labeled human glioma cell based orthotopic tumor



Metastatic orthotopic liver tumor



DsRed2-labeled orthotopic pancreatic tumor

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To arrange an on-site demonstration or a demo of live mouse imaging via Internet, please contact INDEC BioSystems:

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