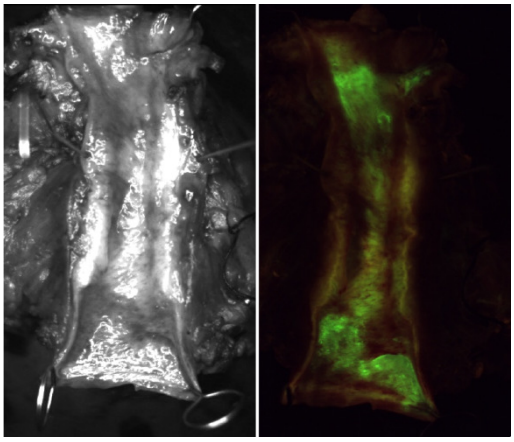
INDEC BioSystems

Discovery 800

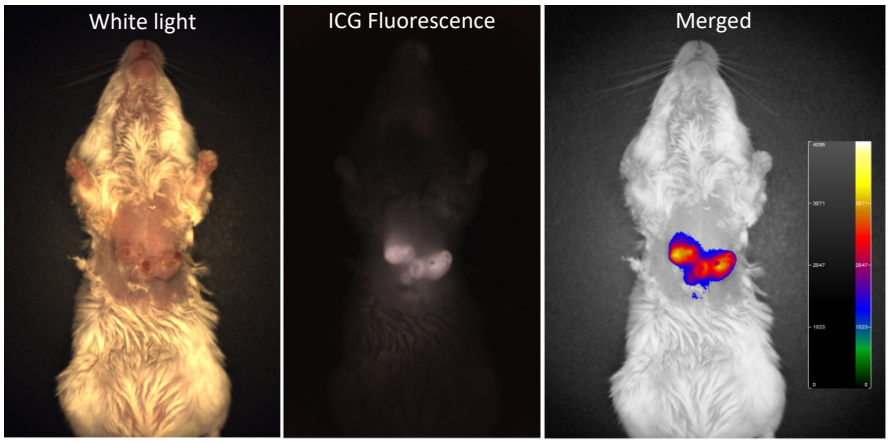
Portable, near-IR Fluorescence Imaging

INDEC BioSystems announces Discovery 800, a compact molecular imaging system, developed specifically for near-IR fluorescence imaging of fluorophores emitting between 800 and 850 nm.



Discovery 800 is

- Ideal for surgeons, endoscopists, and clinical researchers who want to evaluate use of fluorescent probes to reveal lesions and tumor margins in resected tissue.
- Designed for *ex vivo* fluorescence image-acquisition and rigorous analysis.
- Sensitive, convenient, light weight, and portable.



Ventral surface of a mouse, viewed with Discovery 800. White-light view (left), fluorescence view (center), and merged view (right) showing monochrome rendering of white-light view with overlay of pseudo-colored fluorescence view.

Discovery 800 is perfect for

- Fluorophores such as ICG, Cy7.5, IRDye® 800, DyLight™ 780, and others.
- Translational research using *in vivo* imaging with small animals.
- Studies of fluorescence as an aid to making surgical decisions[1].
- Assessing new probes during development.

[1] Discovery is not approved for clinical or medical applications with human patients.

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Discovery 800 is a fully integrated, turn-key system. It includes all the hardware and software required for surgeons and endoscopists. The imaging platform delivers bright, sharp fluorescence images. The software provides easy-to-use tools for standardizing protocols and quantitatively analyzing images immediately after acquisition.

By bringing *ex vivo* fluorescence imaging into the surgical suite, Discovery provides a convenient, natural extension to other techniques for the analysis of excised tissue. Discovery is typically used to provide a quick, adjunctive, real-time indication of the presence of cancerous tissue in surgically removed specimens.

Some select Features:

- Discovery is a fully integrated, pre-tested system, and is delivered with an imaging chamber and a Windows laptop, pre-loaded with the custom Discovery software.
- Discovery's exposure times range from less than 1 millisecond to greater than 1 second, permitting you to match the system's sensitivity to a wide range of objects – bright or faint.
- Discovery acquires time-lapse series as easily as individual images.
- Discovery's Wizard software streamlines and standardizes the acquisition of images.
- Discovery's design complements traditional, video-based, fluorescence imagers for the operating room.
- Discovery's integrated white-light illumination provides 'bright-field' imaging of specimens, helping document outcomes.
- Discovery's Merge software displays fluorescence and bright-field images together, correlating fluorescence data with visual inspection.
- Discovery's large field of view (approx. 100 mm diagonal) and 50 micrometer spatial resolution are perfect for detailed imaging of a wide range of specimens.
- Discovery's external focusing and live image display make it easy to get exactly the image you need, even after the specimen is loaded in the chamber.
- Discovery's integrated software is easy for a nurse, technician, or surgeon to use, and yet delivers rigorous, quantitative analyses.
- Discovery works seamlessly with INDEC's Liberator image-management software.
- Discovery's compact size (23 x 13 x 13 cm; H x W x D) and light weight (2.2 kg), make it convenient for both the operating room and outpatient clinic.
- Finally, Discovery's affordable price brings these technologies within reach of surgical and research teams across a wide range of settings.

INDEC's goals for Discovery are to accelerate the development and acceptance of these surgical technologies, and so improve clinical outcomes and reduce costs of treatment.

Please contact INDEC for more on Discovery 800, its accessories, and related products.

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