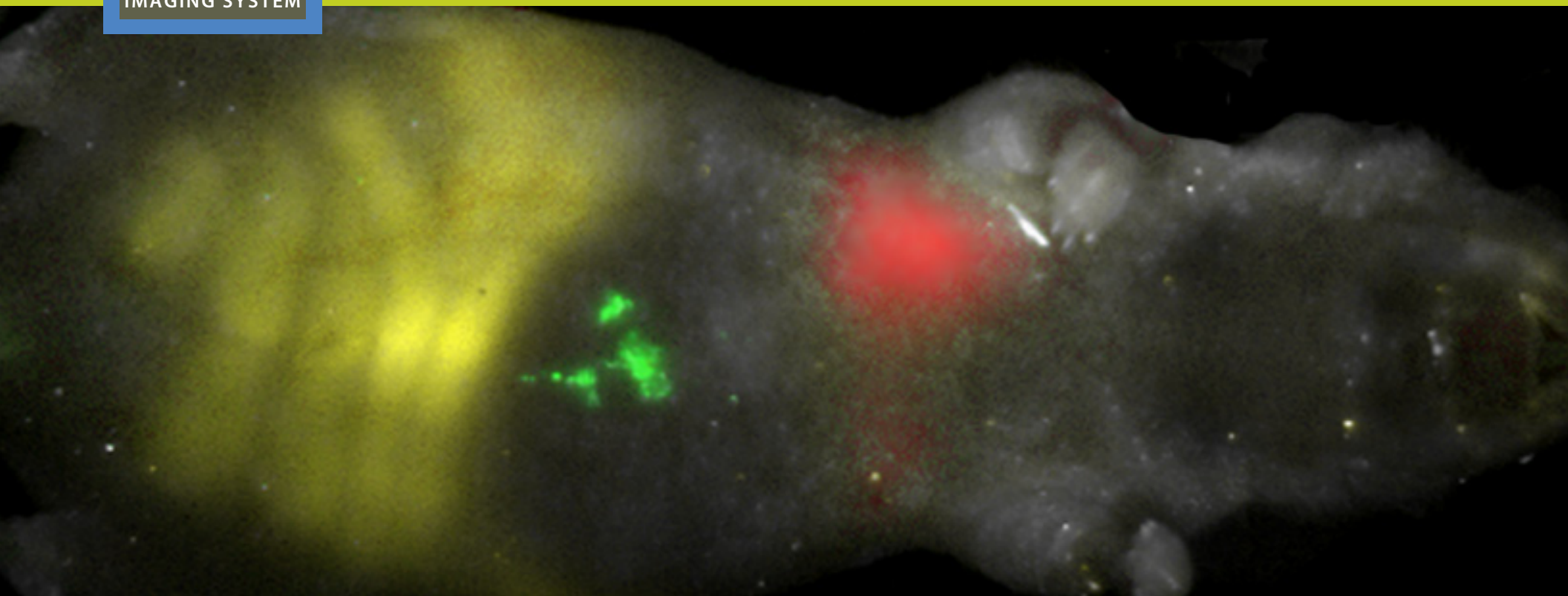


MAESTRO

IN-VIVO

IMAGING SYSTEM



Think inside the box.

CRi

Think Maestro.

The *in-vivo* imaging system that eliminates autofluorescence and enables multiplexing.

Until Maestro, biologists who used fluorescent reagents to visualize tumor growth and distribution in their *in-vivo* research were plagued by autofluorescence problems in their samples. When working with whole mice, for example, the autofluorescence signal from hair and skin can be strong enough to obscure the signals you need to visualize. Maestro resolves this issue by separating the experimental signal from the background noise so you can see what you're looking for in the experiment. It's the best fluorescence-based detection system available today.



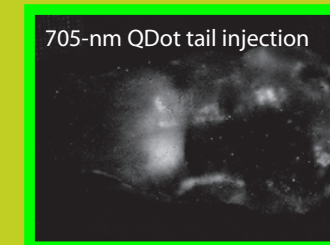
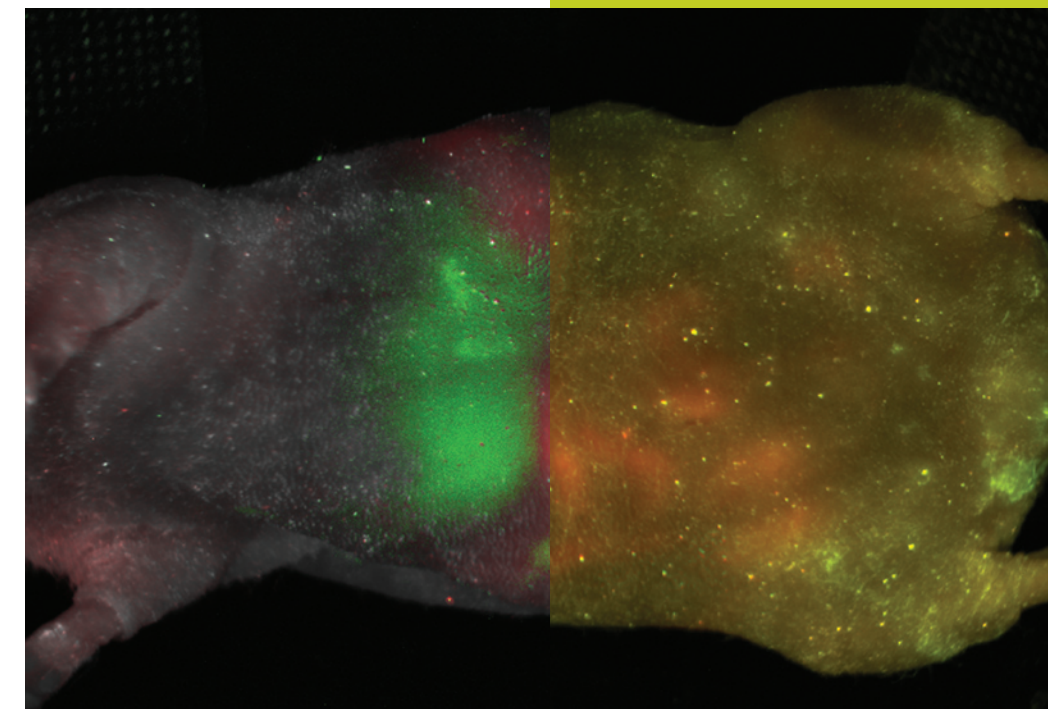
Now you can see smaller, deeper tumors—sooner.

Maestro enables researchers to see smaller and deeper tumors sooner due to its extreme low-light-level sensitivity. And it enables you to detect multiple labels within the same sample, by allowing for the separation of different signals, even if they overlap spectrally or spatially. Maestro's powerful tunable filter system then readily captures images across a broad spectrum. You'll see better results in seconds!

Multiplex and quantify—it's easy with Maestro.

Maestro enables you to image multiple fluorophores *in-vivo* simultaneously because of its unique multispectral imaging approach. And whether you want to determine tumor size, or how much marker was found in a given location, or which organs have what combination of markers, Maestro manages quantitation quickly and easily.

before



From the RGB "before" image, each spectral element is isolated in the panels to the right and then reassembled to create the composite "after" image.

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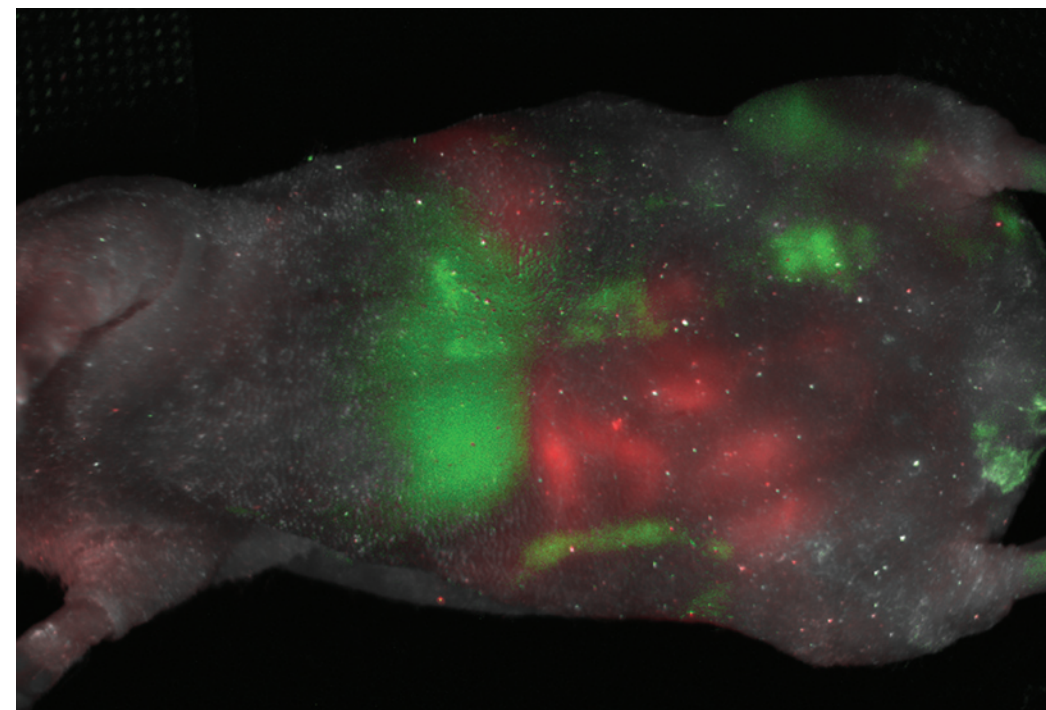
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after

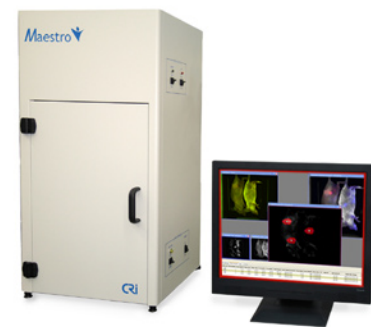


By eliminating autofluorescence and unmixing the 705-nm Qdot fluorophore in this test mouse, Maestro provides a high contrast image showing a composite of two unmixed components.

Contact us at 1-800-383-7924 or at www.cri-inc.com/maestro to learn more about Maestro or to schedule a demonstration of this breakthrough system.

Maestro outperforms other *in-vivo* imaging systems.

Even if your research lab utilizes a multi-modal imaging system, your fluorescence ability is compromised. Only Maestro delivers fluorescence-based detection that is sensitive enough to pick up weak signals. Its enhanced sensitivity makes it unique among any and all competitive products.

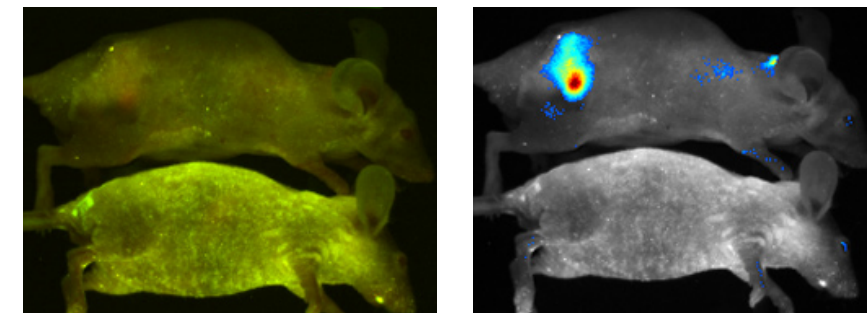


Utilize our breakthrough to enable yours.

Breakthrough results in your lab require optical imaging systems designed to facilitate your experiments, improve your image quality, and significantly advance your research. Your lab requires Maestro.

before

after



On the left, a standard color fluorescence image of the tumor bearing test mouse labeled with a 630-nm Qdot-labeled antibody (left) and uninjected control (right). On the right, an unmixed Maestro image of that tumor with the autofluorescence removed.

Maestro In-Vivo			
	Maestro VIS	Maestro GNIR	Maestro Flex
Wavelength range	500 to 720 nm	500 to 950 nm	500 to 950 nm
Sensitivity compared to monochrome*	300x	300x	300x
CCD	Sony ICX285	Sony ICX285	Sony ICX285
Temperature	10 C	10 C	-5 C
Maximum exposure time	10 sec	10 sec	15 minutes
Bandwidth	40 nm	40 nm	Flexible (20 or 40 nm)
Typical fluorescence acquisition time	2-5 seconds	2-5 seconds	2-10 seconds

* Maximum sensitivity increase over standard monochrome imaging methods

"It's my favorite machine on the planet.

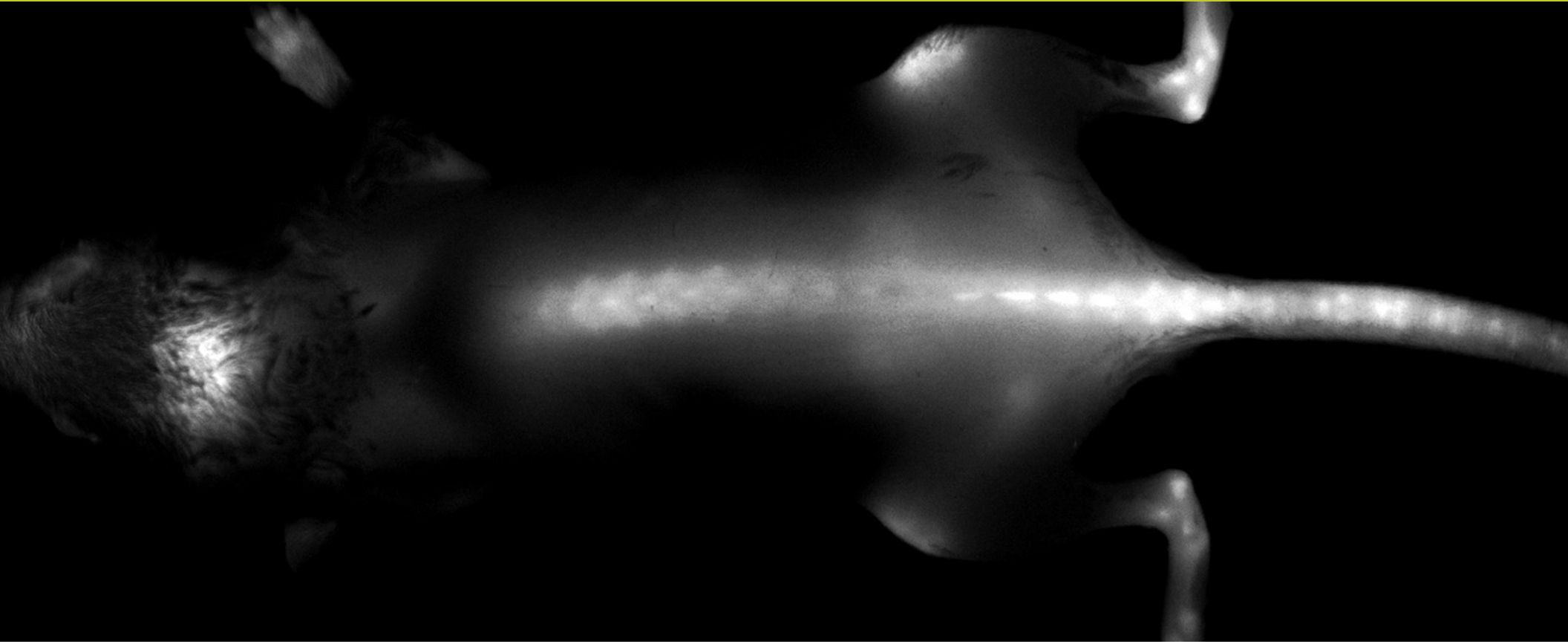
It made my dissertation possible!"

Sarah Gidner, University of Texas South Western

About CRI

Cambridge Research & Instrumentation, Inc (CRI) is a Boston-based biomedical imaging company providing innovative optical imaging solutions to our customers for more than 20 years. Our multidisciplinary team is dedicated to working with our academic and commercial customers to provide high-value solutions. We provide comprehensive imaging and analysis solutions that

enable the user to investigate and characterize biological phenotypes while preserving spatial context. With over 80 patents pending and issued, CRI's solution platforms encompass sub-cellular, cellular, and whole animal applications. Our innovations are being utilized around the world to enable new breakthroughs in research, health and medicine.



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Notice to Purchaser: The CRI Maestro™ imaging system has many applications involving a variety of materials, such as probes, cell lines, animal specimens, etc. Certain of these applications and/or materials may require licensing under patents held by third parties. For example, while AntiCancer Incorporated and Xenogen Corporation do not have U.S. patent rights covering *in-vivo* imaging of conjugated fluorescent labels, a license from AntiCancer Incorporated, 7917 Ostrow St., San Diego, CA 92111 and/or Xenogen Corporation, 860 Atlantic Avenue, Alameda, California 94501, may be required to practice imaging, within animals, of cells genetically engineered to produce light-emitting compounds. CRI's sale or other transfer of the Maestro™ imaging system does not convey any right or license under such third party patents. It is suggested, therefore, that users of the Maestro™ imaging system consult with counsel to determine whether licensing of such third party patents is required.