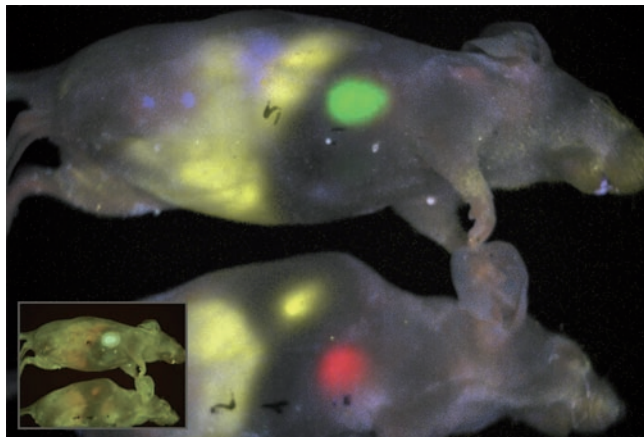


Maestro EX in-vivo Imaging System



The new Maestro™ EX improves your results with more dynamic range, increased multiplexing capability, and better sensitivity.



Mice with FITC (green), Cy3.5™ (red), and TRITC (blue) fluorophores illustrate Maestro's multiplexing capabilities. Sample courtesy R. Weissleder, U. Mahmood, and J. Tam, Massachusetts General Hospital, Boston, MA.

The Maestro™ EX in vivo imaging system is designed around patented, solid-state optical FLEX technology, enabling you to use broad- or narrow-band width imaging mode at the click of a button. Broad-band mode allows increased throughput, while narrow-band mode allows higher accuracy for improved spectral separation. Combined with CRI's patented, industry-leading spectral unmixing software tools, Maestro EX give unparalleled results.

Maestro systems offer superior autofluorescence removal for your images, increasing the contrast of your fluorophores, improving sensitivity and lowering limits of detection. They also allow you to increase the number of fluorophores to quantitate more markers. Maestro can resolve even closely spaced and overlapping emission spectra from your biomarkers.

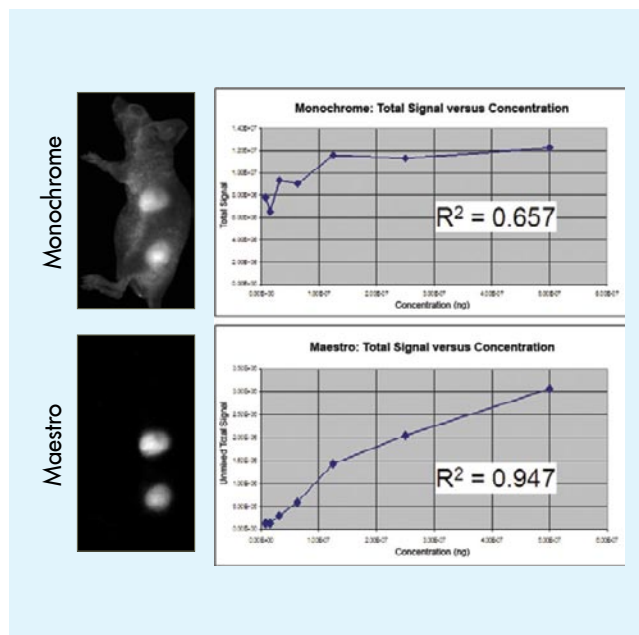


Figure 1: Images and data acquired from 4 mice, each with a known amount of doxorubicin (DOX): 1000, 500, 250, 125, 62.5, 31.25, 15.63, and 7.18 ng. Monochrome images were acquired at the peak emission of DOX. Upper left image shows a monochrome image of the mouse with the 250 and 125 ng amounts of DOX, and the lower left image shows the same animal imaged with a Maestro system where a significant increase in sensitivity and improvement in quantitative accuracy can be seen.

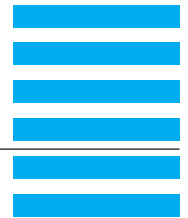
Superior Spectral Imaging

The new FLEX technology built into the Maestro EX builds upon CRI's patented industry-leading solid-state liquid crystal tunable filter (LCTF) approach to spectral imaging, providing superior spectral imaging. Use broad-band mode for maximum throughput and reduced experiment times or use narrow-band mode for situations that demand a high degree of multiplexing.

Superior Unmixing Software

Achieving the very best quantitative results requires the proper software tools. Maestro systems come with our complete spectral unmixing toolbox, including the award-winning Real Component Analysis (RCA) package and intuitive Compute Pure Spectrum algorithms, enabling you to get the most out of your samples.

Maestro EX in-vivo Imaging System



Fast, Flexible, & Sensitive

The Maestro EX system is fast: acquire full spectral images in only seconds. The system is also flexible: image any fluorophore which emits beyond 500 nm. And the Maestro EX is sensitive: up to 300 times more sensitive than monochrome!

QDot™ is a trademark of Invitrogen Corporation. Cy™ is a trademark of Amersham Pharmacia Biosciences UK Limited

Maestro EX In-Vivo Imaging System		
	included	optional
Light-Tight Chamber	<input checked="" type="checkbox"/>	
Computer Controlled Illuminator	<input checked="" type="checkbox"/>	
FLEX Technology	<input checked="" type="checkbox"/>	
Variable-Height Stage	<input checked="" type="checkbox"/>	
Excitation Filter Set	<input checked="" type="checkbox"/>	
LP Emission Filter Set	<input checked="" type="checkbox"/>	
Heated Stage		<input checked="" type="checkbox"/>
Anesthesia Kit		<input checked="" type="checkbox"/>
DyCE		<input checked="" type="checkbox"/>
Maestro EX systems come with a complete set of excitation and longpass emission filters. See the Maestro Filter Selection Guide for more information on finding the ideal filter sets for your fluorophores.		