



# Vevo<sup>®</sup> 3100

The Ultimate Preclinical Imaging Experience



# Introducing Vevo 3100

## The World's First One-Touch Preclinical Imaging Platform

The Vevo 3100 is a new and innovative platform created for the future of imaging. It combines ultra high-frequency ultrasound imaging, quantification and education in a convenient all-in-one touchscreen platform.

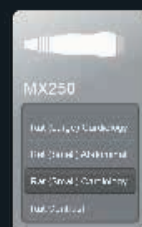
Its intuitive control panel allows customizable workflow for rapid data acquisition, providing extremely high-throughput when needed and saving you time! At the sweep of your hand, it responds so quickly and intelligently to your imaging needs, you'll know it was created precisely for researchers like you.

With lightweight ergonomically designed MX series transducers, imaging has never been easier and clearer. The Vevo 3100 enables you to obtain *in vivo* anatomical, functional, physiological and molecular data simultaneously, all in real-time and with a resolution down to 30  $\mu\text{m}$ .



### Customizable User Interface

Easily customize the interface to suit your needs. Swipe, Drag, Tap, Pinch or Spread – optimized workflow is always at your fingertips.



### Vevo HD Image Technology

This revolutionary technology reduces speckle noise and artifacts in images while preserving and enhancing critical tissue information – all in real-time.



### Real-Time Learning

For instant reference, scan with onboard step-by-step imaging tutorials and guides.

TOUCH | CUSTOMIZE | VISUALIZE



# Vevo 3100 Imaging Platform



- Vevo® HD Image Technology – visualize your data like never before

- Intuitive touchscreen interface for all user types
- Customizable workflow for rapid data acquisition

- Anatomical, hemodynamic, functional and molecular data all in one platform
- Compact imaging system – over 40% reduction in both size and weight
- State-of-the-art ultra high-frequency electronics operating up to 70 MHz



VISUALSONICS

MULTIPLE RESEARCH AREAS:  
 CARDIOVASCULAR, CANCER,  
 DEVELOPMENTAL BIOLOGY, CONTRAST  
 IMAGING, REGENERATIVE MEDICINE,  
 DRUG DEVELOPMENT, UROLOGY,  
 REPRODUCTIVE MEDICINE AND MORE!







Conduct in-depth analysis with advanced measurement and calculation packages on the Vevo LAB software



## MX Transducers

The MX series of ultra high-frequency linear array transducers are custom-designed and optimized to operate in harmony with the Vevo 3100 Imaging System. MX transducers are available across a wide range of frequencies to provide the flexibility you need for your small animal studies.

Examples include:

Transducer	Animal	Applications
 <b>MX250</b> 13-24 MHz Axial Resolution: 75 $\mu\text{m}$		<ul style="list-style-type: none"> <li>Cardiovascular and Abdominal</li> <li>Tumors</li> <li>All MicroMarker™ contrast applications</li> </ul>
 <b>MX550D</b> 22-55 MHz Axial Resolution: 40 $\mu\text{m}$		<ul style="list-style-type: none"> <li>Abdominal, Reproductive, Cardiovascular, Embryology</li> <li>Tumors</li> </ul>
 <b>MX700</b> 30-70 MHz Axial Resolution: 30 $\mu\text{m}$		<ul style="list-style-type: none"> <li>Vascular, Embryology</li> <li>Superficial tissue</li> <li>Ophthalmology</li> </ul>

For a complete list of MX transducers and more specifications, please visit our website.

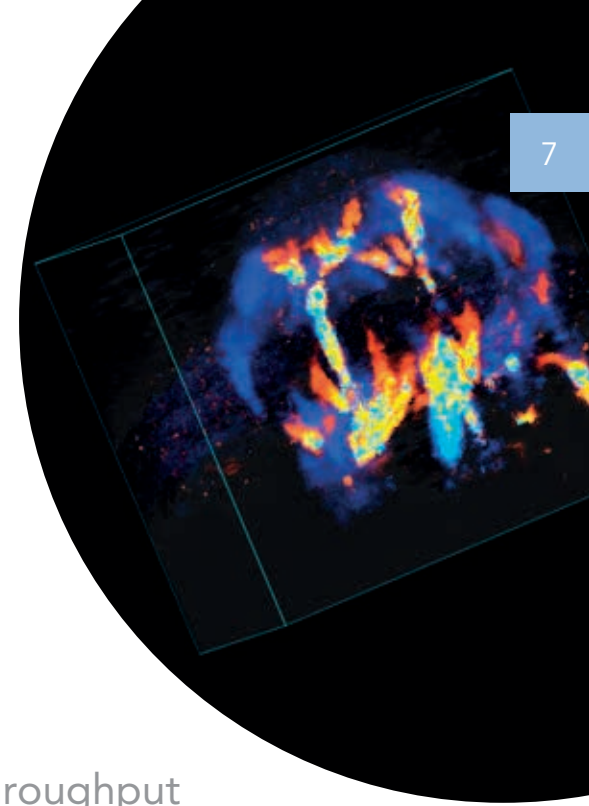
HIGH-RESOLUTION | LONGITUDINAL  
REAL-TIME | HIGH-THROUGHPUT



## Vevo Imaging Station

Standardize image acquisition and quantification to ensure repeatable, reproducible results and high-throughput workflow for multiple animal studies.

- Warmed platform for maintaining optimal physiological conditions for small animals
- Integrated & displayed physiological monitoring – ECG, heart rate, core temperature, respiration, blood pressure
- Transducer mounting system for precision and hands-free scanning
- Precision micro-injection system for injections or extraction procedures
- Compatible with the Vevo Compact Anesthesia System and the Vevo E-Box



# Vevo Technology Innovation

The original Vevo platform was the world's first commercially available ultra high-frequency ultrasound imaging system.

High anatomical resolution, physiological and microcirculation quantification, and molecular data have enabled scientists worldwide to visualize and measure what was previously unattainable. As the undisputed leader in real-time *in vivo* micro-imaging systems, VisualSonics once again advances the world of preclinical research with the Vevo 3100 imaging platform.

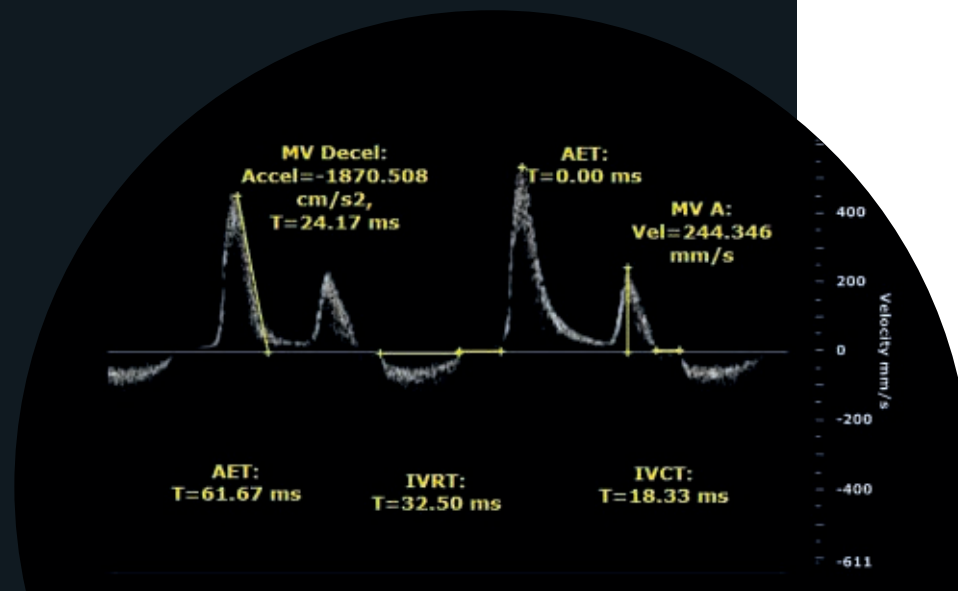
2000 VS40	2003 Vevo 660	2006 Vevo 770	2008 Vevo 2100	2011 Vevo LAZR	2013 Vevo 1100	2014 Vevo 3100 Launched
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WORLD'S FIRST ONE-TOUCH PRECLINICAL IMAGING PLATFORM



TRANSLATABLE IMAGING AND CALCULATIONS FROM BENCH TO BEDSIDE



## Vevo Support

The advanced technology of the Vevo 3100 high resolution imaging platform is accompanied by an integrated approach to service and support.

### Applications Support and Training Customized to Your Needs

- Customer On-Site Training
- VSI University Courses – tailored hands-on education

### Online Resources

- Live Webinars
- Imaging Guides and Videos
- Grant Support Program
- Vevo Ambassador Program and more

### Technical Support

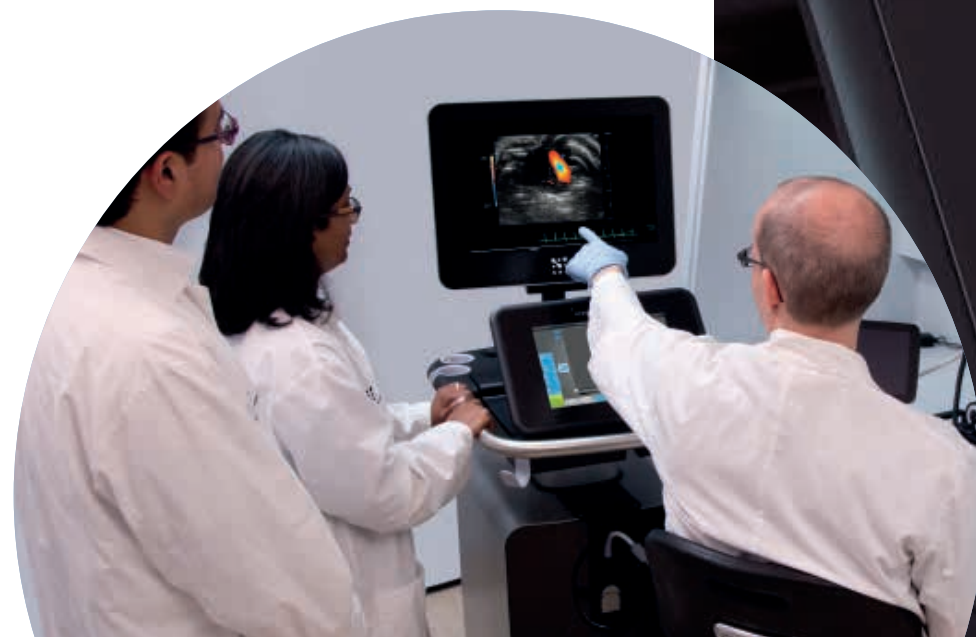
- On-site Support
- Online Support

For additional resources, support or service requests, visit our website:

[www.visualsonics.com](http://www.visualsonics.com)



STUDY A WIDE RANGE  
OF ANIMAL MODELS  
FROM EMBRYOS TO ADULTS





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