Vevo® 3100

The Ultimate Preclinical Imaging Experience

FUJIFILM
VISUALSONICS

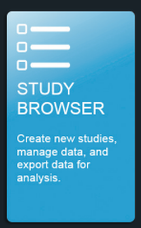
Introducing Vevo 3100

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.

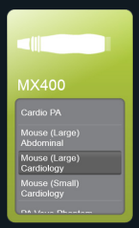
Its intuitive control panel allows customizable workflow for rapid data acquisition, providing extremely high-throughput when needed and saving you time! At the sweep of your hand, it responds so quickly and intelligently to your imaging needs, you'll know it was created precisely for researchers like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



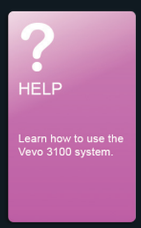
Customizable User Interface

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


VISUALSONICS
Hello, where would you like to start?
STUDY BROWSER
Create new studies, manage data, and export cards for analysis
MX400
Mouse (Large) Abdominal
Mouse (Large) Cardiology
Mouse (Small) Cardiology
PA Vivo Phantom
HELP
Learn how to use the Vevo LAZR-X system

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
- State-of-the-art ultra high frequency electronics operating up to 70 MHz

MULTIPLE RESEARCH AREAS:

CARDIOVASCULAR, CANCER, DEVELOPMENTAL BIOLOGY, CONTRAST & MOLECULAR IMAGING, REGENERATIVE MEDICINE, DRUG DEVELOPMENT, UROLOGY, REPRODUCTIVE MEDICINE AND MORE!

In-depth analysis with advanced measurement and calculation packages on the Vevo LAB software.

Vevo® LAB

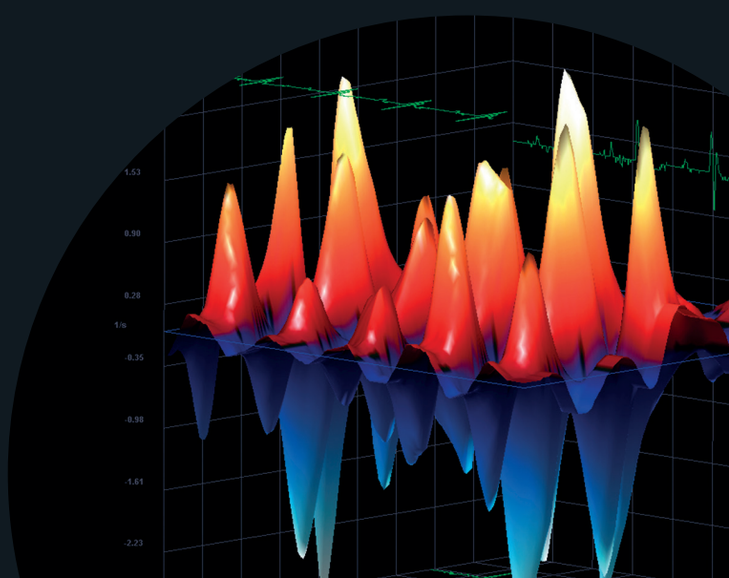
MX Transducers

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:

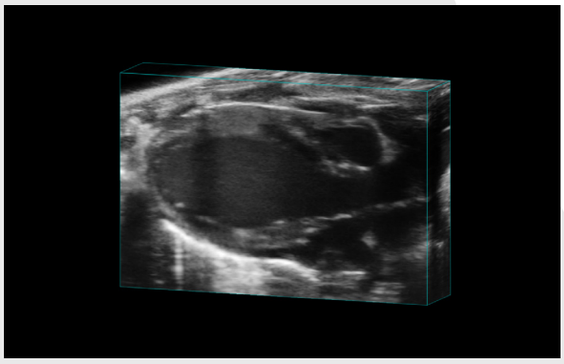
Transducer	Animal	Applications
 MX250 15-30 MHz Axial Resolution: 75 µm		• Cardiovascular and Abdominal • Tumors • All MicroMarker contrast applications
 MX550D 25-55 MHz Axial Resolution: 40 µm		• Abdominal, Reproductive, Cardiovascular, Embryology • Tumors
 MX700 29-71 MHz Axial Resolution: 30 µm		• Vascular, Embryology • Superficial tissue • Ophthalmology

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



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

Featured Innovations

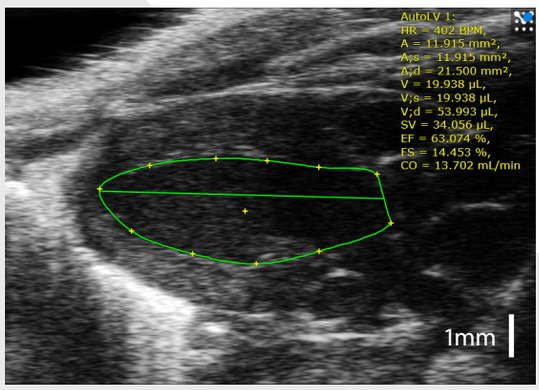


4D IMAGING

4D-Mode brings together the dynamic motion of the myocardium throughout the cardiac cycle with the 3D geometry of the heart. Obtain incredible images and data from your study animals without any assumptions.

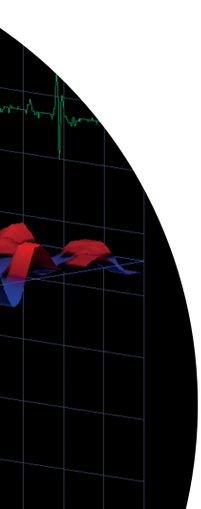
AUTO LV

Building on our long-standing and widely adopted LV Analysis tool, AutoLV Analysis offers a 'one-click' solution for functional analysis of the left ventricle in small laboratory animals.



PHOTOACOUSTIC IMAGING

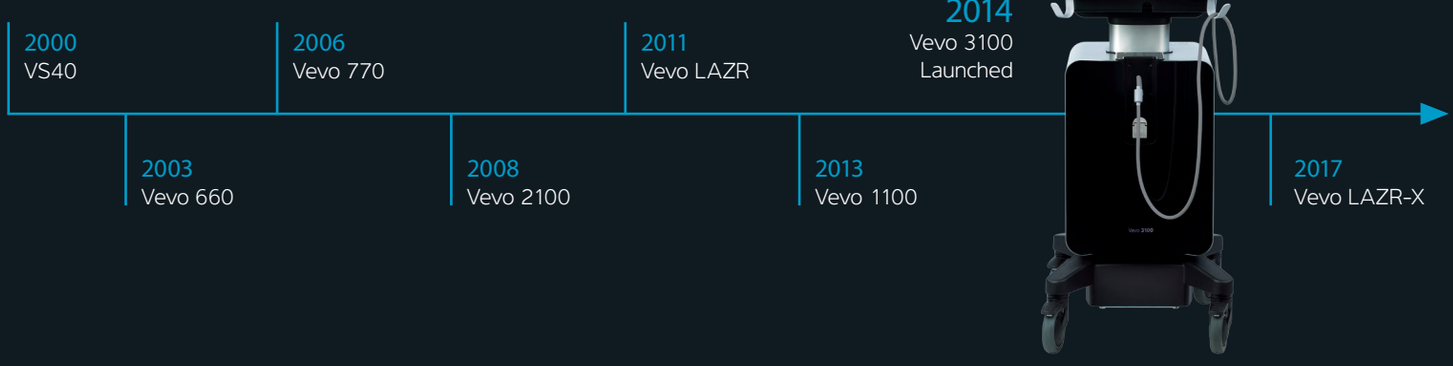
Vevo 3100 is a flexible platform allowing for multi-modal imaging; combine photoacoustics with ultra high frequency ultrasound for customizable translational research using the Vevo LAZR-X.



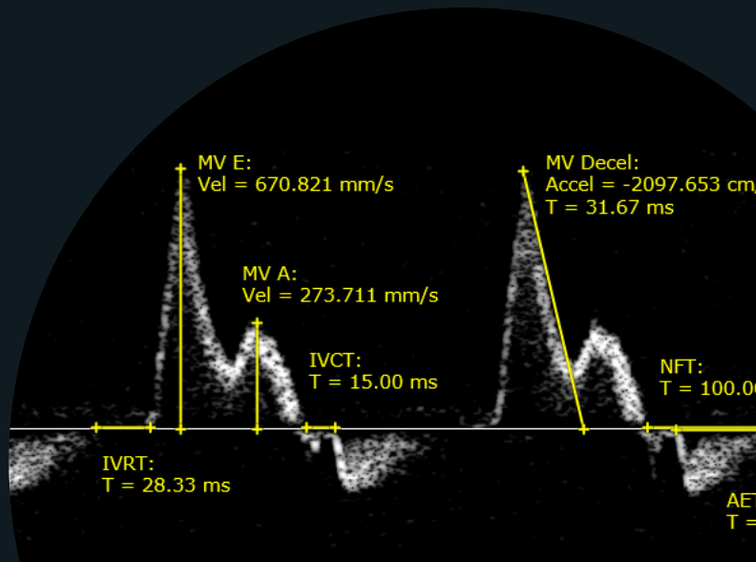
Vevo Technology Timeline

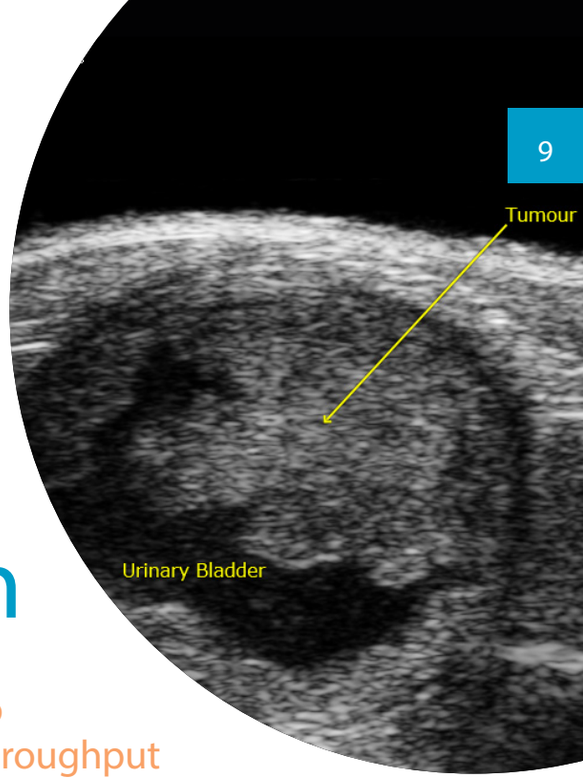
The original Vevo platform was the world's first commercially available ultra high frequency ultrasound imaging system.

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.



TRANSLATABLE IMAGING AND DATA FROM BENCH TO BEDSIDE

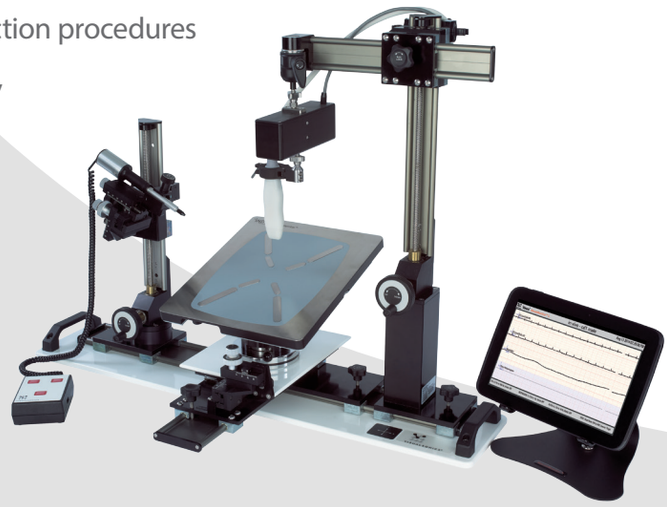




Vevo Imaging Station

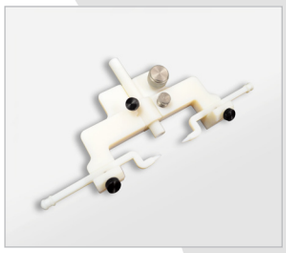
Standardize image acquisition and quantification to ensure repeatable, reproducible results and high-throughput workflow for multiple animal studies.

- 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, Vevo E-Box and Vevo BRAIN



Accessories

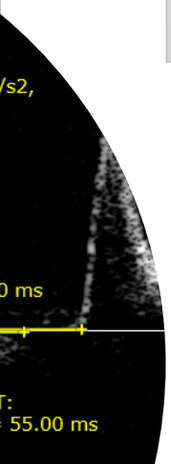
Anesthesia System



Vevo BRAIN Stereotactic Frame & Atlas

Vevo Infusion Pump

Vevo MicroMarker Contrast Agents



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
- Customized hands-on education

Online Resources

- Live and on demand webinars
- Imaging guides and videos
- Grant support program
- Publications libraries
- Image galleries
- Exclusive customer resource portal

Technical and Scientific Support

- On-site and online support
- Scientific application expertise

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

visualsonics.com

STUDY A WIDE RANGE OF ANIMAL MODELS FROM EMBRYOS TO ADULTS


375 BPM
142 RR
152/160
160
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