



For Immediate Release

iWorx Introduces Myograph Systems with Data Acquisition and Analysis Software for Performing Advanced Contractile Force Studies

Dover, NH, April 11, 2011 – [iWorx](#), a developer of advanced physiology research tools, has introduced a family of Myograph Systems for performing contractile force studies on micro vessels and other small ring samples in the 60 μm to 1 mm diameter range. The systems come complete with hardware from Radnoti, a high resolution data recorder, and LabScribe2 Data Acquisition and Analysis Software, including Normalization and Dose-Response Modules.

iWorx systems are available with single and 4-channel Radnoti Myographs and include myograph chambers with independent isometric force transducers, amplifiers, a base with sliding wrist rest, precise temperature controllers, stands, tubing kits and all other essential items to conduct an experiment. Also included is a dissection microscope and monitor that can be positioned over the low profile support stand to aid in visualization of the sample during mounting procedures. The systems are ideal for measuring contractile forces in mouse aortic rings and small intestinal ring samples and micro-vessel preparations such as mesenteric arteries.

iWorx 408 data recorder is controlled by LabScribe2 software, a powerful recording and analysis software package. LabScribe2 has an intuitive, user-friendly interface for setting up acquisition screens, calibrating signals and analyzing data. The 408 recorder offers 16-bit resolution at a maximum data collection speed of 100 kHz.

The LabScribe2 Normalization Module provides an intuitive and user-friendly interface for Myograph studies. The module automatically calculates tissue length, reports the optimal pretension setting (IC100) for each sample and provides the recommended micrometer setting (IC90) for normalization. Data acquired during the experiment can be analyzed using the LabScribe2 Dose-Response Module. This module utilizes user-defined marks within the file to generate standard dose-response curves and Schild plots. Users have complete control over selection criteria, selection duration and response type. Templates can be saved to automate and streamline analysis from multiple files. Results presented in table view as well as dose-response curve data can be copied or exported from LabScribe2 for further analysis.

iWorx Myograph Systems are part of a suite of [cardiovascular research solutions](#), including complete tissue baths and blood flow systems. A wide range of transducers, amplifiers, signal conditioners, multi-channel data recorders and accessories can be used for in situ experiments, isolated heart preparations and isolated tissue protocols. Additional LabScribe2 software modules are available to analyze pressure signals, blood flow data, ventricular pressure-volume loops and sonomicrometry dimension data.

More information on iWorx Myograph Systems can be found at www.iworx.com. For more information, contact iWorx Systems, Inc., One Washington Street, Suite 404, Dover, NH 03820 (T) (800) 234-1757, (F) (603) 742-2455, billm@iworx.com.

About iWorx

iWorx advanced research solutions include high performance recording hardware, software, and components that accelerate metabolic, cardiovascular, neuromuscular and respiratory physiology research. In addition to data acquisition systems, iWorx offers a full selection of signal conditioners, stimulators, transducers, electrodes, cables, and general-purpose laboratory equipment and accessories.

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