

Cardiovascular Research Systems



Tissue Bath Systems

iWorx offers two, four, and eight channel tissue bath systems. Systems are provided with stands, tissue tensioners, heated circulating pumps, and everything you need to set up an organ bath. The chambers are available in 5, 10, 25, and 50 ml sizes. The iWorx Web-site allows you to customize the system that best meets your needs by selecting the appropriate tensioner, tissue bath, tissue holder, data acquisition system, transducer, stimulator, and heating circulator.



Myograph Systems

iWorx offers 4-channel (M4) or single-channel (M1) Myograph systems from Radnoti Glass Technology. These systems are designed for researchers performing contractile force studies on small ring samples with sizes ranging from 60 μm to over 1 mm in diameter. Examples include mouse aortic rings and small intestinal ring samples as well as micro-vessel preparations like mesenteric arteries.

The Myograph systems include myograph chambers with transducers and amplifiers, a base with sliding wrist rest, temperature controllers, stands, tubing kits and all other essential items to conduct an experiment.

iWorx offers a myograph normalization module (LS-20NM) which calculates the optimal pretension settings for each sample prior to conducting an experiment.



Blood Flow Systems

iWorx offers a range of blood flow meters and probes through a distribution arrangement with Transonic Systems. Transonic Systems' transit time technology has become the gold-standard in volume flow measurements. Probes range in size from several centimeters in diameter to less than 1 mm in diameter and can be used to accurately measure flow in large animals (renal arteries, aortic flow, coronary flow) as well in small animals (cardiac output in mice and rats).

Flow data can be acquired and analyzed in LabScribe2 providing measurements of stroke volume, heart rate, flow rate, mean flow, frequency, derivatives and integrals.

Want to Learn More?

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