

iWorx TA Animal Physiology Teaching Kits

MAKING PHYSIOLOGY HAPPEN

iWorx offers complete solutions for the teaching of animal physiology as well as advanced, high performance systems for research. The numerous “hands-on” experiments provide student involvement that enhances the overall learning experience.



Animal Physiology Kits

iWorx Animal Physiology Kits include:

- TA Control Module with iWire-compatible Biopotential (ECG, EMG, Nerve) Amplifier, Built-in Stimulator
- LabScribe™ Software
- Force Transducer
- Dissolved Oxygen Sensor
- Nerve Bath Chamber
- Temperature Sensor
- Bipolar Stimulating Electrode
- Needle Electrodes
- Courseware

Animal Physiology Measurements

The kits are suitable for recording and measuring:

- Muscle Contraction
- Frog ECG
- Action Potentials
- Cellular Metabolism
- Mechano-reflexes and more...



iWorx Systems, Inc.

iWorx TA Physiology Courseware

iWorx courseware includes over 25 experiments and 75 exercises in cardiovascular and neuromuscular physiology, as well as all of the components and professionally developed courseware you need to conduct the labs. Use pre-configured teaching kits or iWorx unique LabsByDesign approach to simply choose only the equipment you need for the labs you want to teach.

Animal Muscle

- Skeletal Muscle - Weight and Work
- Skeletal Muscle - Summation and Tetanus
- Heart Muscle
- Uterine Motility
- Intestinal Motility
- Frog Electrocardiogram
- Crayfish Heart
- Byssal Retractor Muscle
- Crayfish Gut Pharmacology
- Earthworm Smooth Muscle Contractions
- Crayfish Electrocardiogram

Animal Nerve

- Membrane Potentials
- Compound Action Potentials
- Neuromuscular Studies
- Action Potentials in Earthworms
- Cockroach Leg Mechanoreceptors
- Cockroach Cercal Sense Organs
- Frog Sciatic Nerve Compound Action Potential
- Crustacean Stretch Receptors
- Leech Central Nervous System
- Crustacean Neuromuscular Junction
- Crayfish Motor Nerve



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www.iworx.com