

Making Physiology Happen

iWorx offers complete solutions for the teaching of human physiology, as well as advanced, high performance systems for research. The Numerous “hands-on” Experiments provide student Involvement that enhances the overall learning experience.

Human Physiology Lab Kit



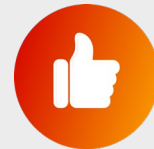
Step-by-step instructions



57 labs and 100+ exercises



Adaptable to any lab manual



Quick setup

iWorx Human Physiology Kits Include:

- TA-ROAM Recorder with Wireless ROAM (ECG, EMG) Amplifier, Built-in Pre-calibrated Sensors
- LabScribe™ Software
- Spirometer Flow Head
- Heart Sounds Sensor
- Pulse, SPO2 and Temperature Sensor
- Non-Invasive Blood Pressure Sensor
- Grip Force Sensor
- Event Marker
- Muscle Twitch Sensor
- Lab Manual

Human Physiology Measurements:

- ECG/EMG
- Blood Pressure
- Spirometry
- Pulse Ox
- Grip Force
- Temperature
- Arrhythmia Generator
- Reflexes
- and more!



"My iWorx equipment is very student friendly. The software is very understandable and straightforward with most students being able to use it the first week unassisted. The experiments are well laid out including necessary background. I especially like the many fail safe aspects to the equipment."

Debra Mullikin-Kilpatrick, Ph.D
Boston College

Human Heart:

- The Electrocardiogram (ECG) and the Pulse
- Heart Sounds and the Electrocardiogram (ECG)
- The Effects of Exercise on the Electrocardiogram (ECG) and the Pulse
- The Six-Lead Electrocardiogram
- The Diving Reflex
- Heart Rate Variability (HRV)

Human Muscle:

- Grip Strength and Electromyogram (EMG) Activity
- EMG Activity in Antagonistic Muscles
- EMG and Arm Wrestling
- Oculomotor Muscle Activity
- Response, Work, Summation and Tetanus in Human Muscles
- Kinesiology Targeted Muscles
- Human Muscle Twitch

Human Spirometry:

- Breathing Parameters at Rest and after Exercise
- Breathing and Gravity
- Factors that Affect Breathing Patterns
- Lung Volumes and Heart Rate

Human Nerve:

- Auditory and Visual Reflexes
- Stretch Receptors and Reflexes with Reflex Hammer
- Stretch Receptors and Reflexes with Plethysmograph
- Human to Human Interface

Human Circulation:

- Blood Pressure, Peripheral Circulation, and Body Position
- Blood Pressure, Peripheral Circulation, and Imposed conditions
- Pulse Wave Velocity