Lesson and Experiment List

November 2026



Lt LabStation is a laboratory-based learning platform that allows you to run labs without headaches.

Getting Started with Lt LabStation

- Administration
- Aesthetics Assessment
- Accessibility and Activities
- Assessment Template
- Authoring
- Creating Content
- How To Write Good MCQs
- Lab
- LabStation Panel Types and Applications
- Lesson Template
- Popup Library
- Pre-Lab
- Student Starter

Animal Physiology

- Animal Metabolism
- Cockroach Sensory Nerve
- Cockroach Ventral Nerve Cord
- Earthworm Action Potentials
- Earthworm Smooth Muscle
- Frog Heart
- Frog Nerve
- Frog Neuromuscular Junction
- Frog Skeletal Muscle
- Gin Trap Closure Reflex

Biology

- Acid-Base Titration
- Biological Membranes
- Introduction to Spectrophotometry
- Photosynthesis: Carbon Dioxide Fixation
- Photosynthesis: Oxygen Production
- Temperature Effects on Enzymes

- Create and edit lessons online anywhere
- Over 150 ready-to-teach labs and lessons
- Real-time data recording and analysis
- Improved efficiency in the lab
- Increased student engagement

Exercise Physiology

- Aerobic Fitness Testing
- Anaerobic Fitness Testing
- Cardiorespiratory Effects of Exercise
- Cardiovascular Effects of Exercise
- Energy Expenditure and Exercise
- Energy Metabolism
- Introduction to Fitness Testing

Key:

- Compatible with PowerLab Sensors
- Compatible with 26T PowerLab

ADINSTRUMENTS

Human Physiology

- Airflow
- Auditory System
- Autonomic Nervous System
- Blood Clotting
- Blood Counting
- Blood Pressure
- Body Temperature
- Breathing
- Cardiorespiratory Effects of Exercise
- Cardiovascular Effects of Exercise
- Cold Pressor Test
- Diving Response
- Electroencephalography (EEG)
- Electrooculography (EOG)
- Electrogastrography (EGG)
- EMG and Grip Force
- Endocrine Physiology
- Energy Expenditure and Exercise
- Glucose Absorption
- Heart and ECG
- Heart and Peripheral Circulation
- Heart Sounds
- Hoffman's Reflex
- Hyperventilation and Rebreathing
- Kidney and Urine
- Lung Volumes
- Mechanical and Chemical
- Digestion
- Mechanics of Ventilation
- Muscle and EMG
- Myotatic Reflex
- Ovo-uterine Reproductive Physiology
- Peripheral Nerve Function
- Reflexes and Reaction Times
- Respiratory Sinus Arrhythmia (RSA)
- Sensory Illusions
- Sensory Physiology
- Skeletal Muscle Function
- Spinal Reflexes
- Stroop Test
- Testicular Reproductive Physiology
- Thermoregulation
- Water Balance

Neuroscience

- Autonomic Nervous System
- Biofeedback
- Cockroach Sensory Nerve
- Cockroach Ventral Nerve Cord
- Diving Response
- Earthworm Action Potentials
- EDR and Classical Conditioning
- Electrodermal Response (EDR)
- Electroencephalography (EEG)
- Electrooculography (EOG)
- Frog Nerve
- Frog Neuromuscular Junction
- Muscle and EMG
- Peripheral Nerve Function
- Reflexes and Reaction Times
- Sensory Illusions
- Sensory Physiology
- Size-Weight Illusion
- Skeletal Muscle Function
- Spinal Reflexes
- Stroop Test
- Visual Evoked Potential (VEP)

Pharmacology

- Airways Resistance
- Chick Biventer Cervicis
- Mammalian Atria
- Mammalian Diaphragm
- Mammalian Heart
- Mammalian Jejunum
- Mammalian Uterus
- Stimulated Ileum
- Stimulated Rat Vas Deferens
- Toad Rectus Abdominis
- Unstimulated Ileum
- Unstimulated Ras Vas Deferens
- Vascular Resistance
- Vascular Smooth Muscle

Psychophysiology

- Biofeedback
- Diving Response
- EDR and Classical Conditioning
- Electrodermal Response (EDR)
- Electroencephalography (EEG)
- Electrooculography (EOG)
- Introduction to Psychophysiology
- Muscle and EMG
- Reflexes and Reaction Times
- Sensory Illusions
- Sensory Physiology
- Size-Weight Illusion
- Stroop Test
- Visual Evoked Potential (VEP)

"Lt LabStation is great - our students don't need to make a profile or sign in, and labs aren't dependent on an internet connection."

Charles Crawford, Teaching Assistant,
Human Performance Laboratory,
The University of Texas at Austin, USA

30-DAY FREE TRIAL

Sign up today for a free trial to experience Lt LabStation:

adinstruments.com/try-ltlabstation

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