Lt Example Data Checklist
Teach students in the lab and remotely with example data in Lt

Quickly identify content in Lt that provides example data preloaded in Lt Data Panels, in alternative formats, or not at all.

- **Lt Example Data** = Data collected with hardware and stored in Lt Data Panels.
- **Alternative Data** = Data provided in table- or multimedia-based formats. These data are supplied variously in the lab itself and/or in the Instructor's Material.
- **Unavailable** = These labs have no example data available for most or all activities.
- **Distance Learning Version Available** = These alternate versions of existing labs are designed explicitly for distance use.
- **Instructor's Material** = PDFs found in the "Lesson Details" card that contain useful information including a materials list, example data in table- or multimedia-based formats, tips for educators, and hazard warnings.

### Anatomy
- Cardiovascular System
- Central Nervous System
- Digestive System
- Endocrine System
- Integumentary System
- Lymphatic and Immune System
- Muscular System
- Reproductive System
- Respiratory System
- Skeletal System
- Special Senses
- Tissues
- Urinary System

### 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
- Intracellular Action Potentials

Key: ● Pre-loaded in panels  ● Unavailable
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

Neuroscience
- Autonomic Nervous System
- Biofeedback
- Cockroach Sensory Nerve
- Cockroach Ventral Nerve Cord
- Diving Response
- Earthworm Action Potentials
- Electrodermal Response (EDR)
- Electroencephalography (EEG)
- EOG and Classical Conditioning
- Electrooculography (EOG)
- Frog Nerve
- Frog Neuromuscular Junction
- Intracellular Action Potentials
- 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)

Nursing
- Blood Pressure
- Childbirth
- COPD
- Diabetes Complications
- Febrile Illness
- Heart Failure
- Muscular Dystrophy
- Myasthenia Gravis
- Myocardial Infarction
- Peripheral Vascular Disease
- Pregnancy
- Renal Failure
- Stroke
- Type 1 Diabetes

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 Rat Vas Deferens
- Vascular Resistance
- Vascular Smooth Muscle

Preclinical Medicine
- Airflow
- Autonomic Nervous System
- Blood Pressure
- Body Temperature
- Brain Structure and Reflexes
- Glucose Absorption
- Heart and ECG
- Heart and Peripheral Circulation
- Heart Sounds
- Kidney and Urine
- Lung Volumes
- Muscle and EMG
- Peripheral Nerve Function
- Skeletal Muscle Function

Psychophysiology
- Biofeedback
- Diving Response
- EOG 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
  - Visual Evoked Potentials
How can Lt help?

**Educators**

**Easy lesson authoring**
Building media-rich lessons is simple. Drag-and-drop a range of content types to create interactive exercises, including multiple choice questions, short-form written answers, and image annotation.

**Collaborative**
Share content and workload with your fellow educators and teaching assistants. Set varying levels of access to allow others to review content, add content, or publish revisions online.

**Flexible grading**
Automatically grade quizzes while keeping the flexibility to add feedback and positive reinforcement, and manually grade written assessments.

**Onboarding**
Our Instructional Design team can convert and edit your existing content and lessons to make them even better in Lt.

**Students**

**Learn anywhere**
Lt’s cloud-based platform means students can learn on almost any device that connects to the internet. Whether they use iOS or Android, tablet, mobile, or laptop, lessons will be resized and optimized to look great.

**PowerLab integration**
In the lab, students can record and view their own physiological signals live on screen with PowerLab and sampling panels in Lt that can record Pulse, Spirometry, ECG, Blood Pressure, and more.

**Learn from real patients**
For future health professionals, our patient cases allow students to follow a real patient from initial presentation to diagnosis and management. Expert healthcare professionals provide their views throughout the journey and students can practice note-taking and reflection.

**Administration**

**Simple setup**
Lt needs only an internet browser to allow course administration, authoring, and publishing. Our data acquisition app, used for sampling, installs in 30 seconds.

**Analytics**
Our analytics allow you to view class progress in each lesson and across your course, and provide valuable insights about how students are interacting with course material.

**Secure and scalable**
Totally secure, Lt is hosted on Amazon Web Service’s encrypted servers with guaranteed 99% uptime and the ability to maintain speed as more students login to Lt.

**Future-proof**
Lt is automatically updated with new features by our team of engineers, developers, and education specialists.

**Getting started with Lt**

**Custom training and specialist support**
Whether you need help with lab installation and setup, IT training, Lt training, or specialized support, we can get you up and running even faster with an add-on package of training and support services.

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Visit our website or contact your local ADInstruments representative for more information

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