

TRANSDUCER ACCESSORY “TA” PACKS

The following “TA” Packs are suggested transducer accessories for any core package to increase the application potential of your lab. Each “TA” Pack allows you to perform the additional lessons listed—or create your own experiments. All items can be ordered individually.

Human Physiology TA—BSLHPY-TA

Includes this hardware

- Stimulation Electrode for Humans STMHUM
- Finger Twitch Transducer SS61L
- Reflex Hammer Transducer SS36L

Adds these lessons

- BSL L20 Spinal Cord Reflexes
- H03 Nerve Conduction Study
- H06 Finger Twitch
- H28 Reflex Response (patellar tendon)

Exercise Physiology TA—BSLEXP-TA

Includes this hardware

- GASSYS3 CO₂ & O₂ Analysis Module
 - includes GASSYSMAIN 5-liter mixing chamber, AC power adapter, and options of US, EU, or China power cord
- AFT25 Facemask with integral non-rebreathing T-valve
- AFT7-L smooth bore tubing x 2
- SS29L Multi-lead ECG Cable 12-lead
- SS31LA Impedance Cardiography sensor
 - includes module with 4 x CBL204 Touchproof Y-adapter and 8 x LEAD110 Unshielded lead
- EL500-6 paired electrodes

Adds these lessons

- H01 12-Lead ECG
- H19 VO₂ & RER
- H29 Basal Metabolic Rate

Biomechanics TA—BSLEXM-TA

Includes this hardware

- Reflex Hammer Transducer SS36L
- Goniometer (twin-axis) SS21L
- Stimulator (for the MP3X module your lab uses)
 - STMHUM (for MP36)
 - or BSLSTMB+HSTM01 (for MP35)
 - or BSLSTMA+HSTM01 (for MP30)
- Heel-Toe Strike Transducer SS28LA

Adds these lessons

- BSL L20 Spinal Cord Reflexes
- H03 Nerve Conduction Study
- H06 Finger Twitch
- H28 Reflex Response (patellar tendon)

Psychophysiology TA—BSLPSY-TA

Includes this hardware

- SuperLab System STP35W
 - includes SuperLab 5
 - includes SuperLab to MP3X cable
 - includes M-POD event mark to I/O port (DB25 connector)
 - includes Response Pad
- Noninvasive Cardiac Output Sensor SS31LA
 - includes 4 x CBL204 Touchproof “Y” adapters
 - includes 8 x LEAD110 unshielded lead
- Paired electrode packs 6 x EL500 (25 per pack)

Adds these lessons

- H30 Stroop Effect
- H31 Pre-pulse Inhibition
- H21 Impedance Cardiography

Biomedical Engineering TA—BSLBME-TA*Includes this hardware*

- Stimulator (for the MP3X module your lab uses)
 - STMHUM (for MP36)
or BSLSTMB+HSTM01 (for MP35)
or BSLSTMA+HSTM01 (for MP30)
- Impedance Cardiography
 - SS31LA Module with included 8 x LEAD110 leads + 4 x CBL204 Y-adapters
 - EL500-6 disposable spot electrodes

Adds these lessons

- H03 Nerve Conduction Study
- H21 Impedance Cardiography

Robotic Arm Lab Accessories—[BSLBME-ROBOT-TA](#)*Includes this hardware*

- BSL-BBOARD BSL Breadboard
- BSL-GRIPKIT BSL Robot Gripper and Servos
- BSL-DEV-S BSL Development Board with Shield
- TOOL1 Mini Screwdriver
- BSL-TCI25 (x 2) SS2L to Breadboard Interface Cable
- BSL-BMEACC1 BSL Breadboard H40 Accessories
- BSL-CLAMPSTAND Lab Ring Stand and Clamp
- EL504 Disp. Cloth electrode (2 packs of 30)
- WRAP1 Coban (7.5 cm x 4.5 m) Latex Free

Use with an existing BSL BME System for labs that also have SS39LB and SS60LB cables for these lessons[BSL PRO Lesson H40](#) (set of 10 labs).**Robotic Arm Lab BME System Add-on—[BSLBME-ARM-TA](#)***Includes this hardware*

- BSL-GRIPKIT BSL Robot Gripper and Servos
- BSL-DEV-S BSL Development Board
- BSL-CLAMPSTAND Clampstand for Robotics

Use with BSL BME System or an SS39L Signal & Power Cable for these lessons[BSL PRO Lesson H40](#) (set of 10 labs).**Pharmacology & Toxicology TA—BSLPHA-TA***Includes this hardware*

- Tissue Bath Station TISSBATH1
- Water Circulator CIRCULATORA (110 V, 60 Hz) or CIRCULATORB (220 V, 50 Hz)

Adds these lessons

- A05 Visceral Smooth Muscle