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Product Name :

Health and Harmony Superior Kit

Product Code :

SLE/EB/02



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Description :

The Health and Harmony Superior Kit adds a Motor Neuron Model to the brain, head, spine, arm and wave models and the conductivity of water tester. With it, studentscan follow a nerve message from the brain to a working muscle, and lessons on how drugs affect neurotransmitters have the motor neuron's terminal branches to point at.

Motor neuron kit contents and topics

Parameter	Detail
Type	Nervous system and health activity kit with motor neuron model
Distinguishing item	Motor Neuron Model
Other models	Brain, head, spine, arm and wave models
Tester	Conductivity of water tester
Topics	Effect of drugs on neurotransmitters; the body’s message-transmission network; wavelength and frequency; the nervous system as an integrated processing system
Teacher documentation	Not listed among the kit contents
Product code	SLE/EB/02
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Motor neuron lessons with the kit

Labelling the motor neuron. Students find the cell body, the long axon and the terminal branches on the Motor Neuron Model and write one line on the job of each part. A dissectible human neuron then shows the sheath around an axon, which students can lift away to see the fibre beneath.

Reflex against choice. Trace a knee-jerk on the human reflex pathway model, where the spinal cord sends the reply before the brain takes part. Then compare a chosen movement, such as bending the elbow, which starts in the brain. Using the spine, motor neuron and arm models, students mark the steps both routes share and the steps the reflex skips.

Where drugs act. Using the terminal branches of the motor neuron and the nerve ending and synapse model, students mark where transmitter is released, the gap it crosses and the receptors on the far side. They predict how the signal to the muscle would change if a substance blocked those receptors or stopped the transmitter being

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