

TREADMILL



Purpose

Treadmills are widely used in rehabilitation and gait analysis. They are also used to determine the effects of exercise on the heart. Exercise allows to detect abnormal heart rhythms (arrhythmias) and diagnose the presence or absence of coronary artery disease.

This test involves walking in place on a treadmill while monitoring the electrical activity of the heart. Throughout the test, the speed and incline of the treadmill increase. The results show how well your heart responds to the stress of different levels of exercise.

Basic Details

Maximum rated load Belt speed range Power requirements Ambient temperature Relative humidity Temperature range Speed range Power Weight 200kg 0 to 20 km/h at 60 Hz 220 VAC 50/60 Hz -10°C to 50°C ≦85% -25°C to 70°C 0-20Km/h 2.2KW 150kg



MICROSCOPE



Purpose

Microscope is a tool that produces enlarged images of small objects, allowing the observer to have an exceedingly close view of minute structures in a slide. In Biomedical Engineering, they are used to observe the basic structure of various cells and tissues to better understand the make up of human body and the functioning of various organs.

Basic Details

Magnification Output Illumination Mechanical Stage Size Interpupillary Distance Power Supply

4x, 10x, 40x and 100x Digitally through miniature camera 3W LED illumination with intensity control 140x135mm 76x50mm 230V



PHYSIOLOGICAL SYSTEM MODELS - I



Purpose

Human anatomy model makes it easy for students to understand the complex functioning of the human body parts. They provide a hands-on learning experience to the students and make it easy for them to retain everything.

Basic Details

Models Include

Human Circulatory System Kidneys Eye Human Respiratory System



PHYSIOLOGICAL SYSTEM MODELS - II



Purpose

Human anatomy model makes it easy for students to understand the complex functioning of the human body parts. They provide a hands-on learning experience to the students and make it easy for them to retain everything.

Basic Details

Human Ear Larynx Stomach Models Include Digestive System Male Pelvis Female Pelvis



BLOOD-GROUP TESTING KIT





Purpose

A blood type lab test identifies certain inherited substances (antigens) that may be present on the surface of red blood cells and classifies them into four common groups: A, B, AB, or O, and is known as the ABO system.

Basic Details

The Kit Includes

Anti-serum A Anti-serum B Anti-serum D (for Rh+)



SPHYGMOMANOMETER





Purpose

A sphygmomanometer is an instrument used to measure blood pressure which is also known as a blood pressure meter or blood pressure gauge or blood pressure monitor.

Mercury sphygmomanometer: It is the most conventional form of blood pressure apparatus and is considered to be the golden standard. It consists of manually inflatable cuffs that are attached to the mercury-infused tubes.

Automatic digital sphygmomanometer: It is the most technologically advanced sphygmomanometer. It consists of an electronic sensor to measure the blood pressure and the readings are displayed on the digital monitor.

Basic Details

The Kit Includes Valve Bulb Mercury Column

Bladder Cuff Manometer