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Product Name :

Breathing Fitness Health Lab

Product Code :

SLE/BL/043



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Description :

Breathing Fitness Health Lab (Product Code: SLE/BL/043) is a classroom investigation kit used to study the pulmonary system by measuring breath rate, breath volume, breath recovery, breath control, lung volume and the amount of CO2 in exhaled air in school biology and health lessons.It combines a breath control meter, lung and breath volume bags, 3 charts and a Teacher's Pack with activity plans. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as a health education kit for schools.

Specifications

Parameter	Detail
Measurements	Breath rate, breath volume, breath recovery, breath control, lung volume and the amount of CO2 in exhaled air
Meter	Breath control meter
Bags	Lung volume bag; breath volume bag and valve
Measuring aid	Metre tape
Consumables included	Mouth pieces and chemicals
Charts	3 charts
Teacher support	Teacher's Pack with activity plans
Refills	Additional or replacement supplies sold separately
Shelf life of chemicals	Depends on the chemical, its grade and storage conditions — ask us for the expiry date of the batch you are quoted
Product code	SLE/BL/043
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Breathing Fitness Health Lab Used For?

A typical lesson begins with resting measurements: students count their breath rate, use the breath volume bag and valve to capture the air moved in a normal breath, and use the lung volume bag to gauge lung volume. After a short burst of exercise they repeat the readings and time how long their breathing takes to settle — the breath recovery measure — which gives a simple, personal indicator of fitness. The breath control meter adds a separate measure, so students see more than one side of respiratory fitness.

Measuring the CO2 in exhaled air ties the physical readings back to cell respiration, and the charts and activity plans help teachers turn the class data into a discussion of exercise, smoking and lung health. Give each student their own mouth piece, wipe shared parts between users, and let anyone with asthma or a breathing condition sit out the forced-breath activities.

What to Specify When Ordering

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