Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Smoking Experiment

Product Code :

SLE/EB/05



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

The Smoking Experiment draws smoke from a lighted cigarette through a white fibreglass filter, so a class can see the tars and nicotine that the smoke carries. The residue is compared with a calibrated colour chart, and 25 filters come with the apparatus for repeat runs. The teacher operates it as a demonstration for students from elementary to college level.

Smoking demonstration apparatus details

Parameter	Detail
Type	Smoking demonstration apparatus
Principle	Smoke from a lighted cigarette is drawn through a white fibreglass filter
What it shows	The amount and nature of tars and nicotine produced by cigarettes
Assessment	Residue compared with a calibrated colour chart
Filters included	25
Cigarettes	Not included; provided by the school in line with its own tobacco policy
Suitable for	Students from elementary to college level
Product code	SLE/EB/05
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Running the smoking demonstration

The demonstration run. Set the apparatus up in a fume cupboard or a well-ventilated room, with a non-combustible dish beside it. Fit a fresh white filter, light the cigarette under adult control and let the apparatus draw the smoke through as the operating instructions describe. Put the cigarette out in the dish, then lift out the filter and match its stain to the colour chart.

Comparing runs. Use a fresh filter for every run and change one thing only, such as the number of puffs or a filtered against an unfiltered cigarette. An unlit cigarette drawn through a clean filter gives the control. Students grade each filter on the colour chart, tabulate the grades and keep the filters in labelled envelopes as a lasting record.

From the filter to the lungs. Afterwards, use the human lung model in bell jar to show how each breath pulls air, and any smoke in it, deep into the chest. Students then study the smoking and health microslides of normal and smoke-damaged lung tissue and

Fre