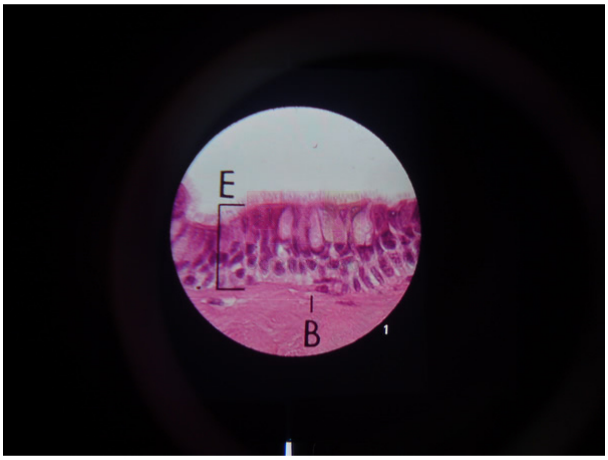
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Product Name :

Microslide Smoking & Health

Product Code :

SLE/PS/95



Science Lab
Email : sales@scilabexport.com
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Description :

Microslide Smoking & Health (Product Code: SLE/PS/95) is a set of 8 related 35 mm images, photographed through a microscope, used to show how tobacco smoke changes the airways and lungs in school biology and health education lessons. Teachers use it to set normal bronchial epithelium and lung tissue beside thickened, cilia-damaged and blackened tissue, so studentssee the damage for themselves. This biology teaching aid is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its range of school biology lab equipmentin India.

Specifications

Parameter	Detail
Format	Set of 8 related 35 mm images photographed through a microscope
Viewing	Designed to be viewed through a Microslide Viewer
Airway images	Normal Bronchial Epithelium (175x); Thickened Bronchial Epithelium (175x); Loss of Cilia – Bronchial Epithelium; Early Cancerous Invasion – Bronchial Epithelium
Lung images	Normal Lung Tissue; Blackened Lung Tissue (65x); Fibrosis and Emphysema – lung tissue
Micro-organism image	Alpha Virus on E. Coli (60,000x)
Labelling	Arrows and callouts point out the features being studied
Student notes	Detailed text folder that informs and questions students, with a pocket to store the Microslides
Product code	SLE/PS/95
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Microslide Smoking & Health Used For?

The set works as a before-and-after comparison. Two views of bronchial epithelium at the same 175x magnification show how the airway lining thickens, and the next frames show cilia being lost and early cancerous invasion. The lung frames then move from normal tissue to blackened tissue at 65x and on to fibrosis and emphysema, helping students link what they see to breathlessness and poorer gas exchange.

Because every view carries arrows and callouts, pupils can work through the images in pairs using a Microslide Viewer and then answer the questions in the text folder. The last frame, Alpha Virus on E. Coli at 60,000x, is a useful prompt for discussing why some images need far higher magnification than a school microscope gives. Many teachers run it alongside a smoking model as part of a wider health education unit.

What to Specify When Ordering