Email : sales@scilabexport.com
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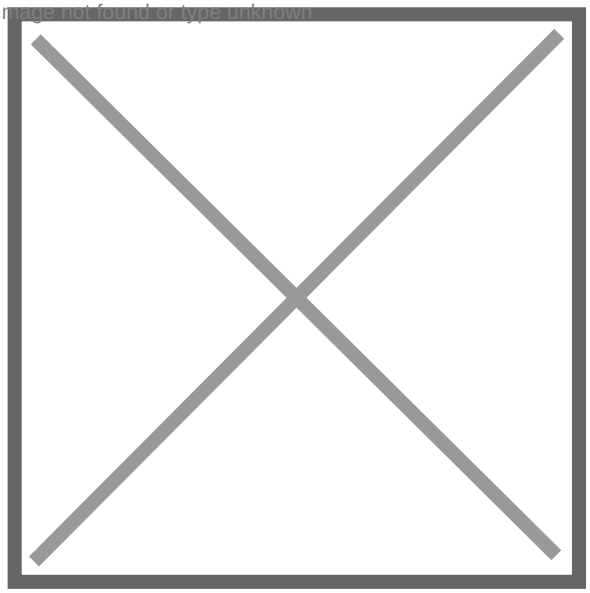
**Product Name :**

Smooth Muscle Fiber

**Product Code :**

SCL435/0163

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# Description :

**Smooth Muscle Fiber** (Product Code: SCL435/0163) is a prepared microscope slide of smooth muscle fibres used to teach the structure of involuntary, non-striated muscle in school and college biology laboratories. Biology and zoology students view it to find spindle-shaped cells with asingle central nucleus, the features that set smooth muscle apart from skeletal and cardiacmuscle. The slide is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, abiology lab equipment supplier in India, in a white plastic box.

## Key Details

| Parameter | Detail |
|---|---|
| Tissue | Smooth (non-striated) muscle fibres |
| Glass | Borosilicate, clear |
| Packaging | White rectangular plastic box |
| Intended for | Laboratory use |
| Product code | SCL435/0163 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is the Smooth Muscle Fiber Slide Used For?

Each smooth muscle fibre is a single long cell that tapers at both ends and carries one elongated nucleus near its middle. There are no cross-striations, because the contractile filaments are not arranged in regular bands. Students use the slide to note the spindle shape, the central nucleus and the absence of stripes, and then connect these features with slow, sustained contractions such as the peristaltic waves that push food along the intestine.

In most school biology lab equipment collections this slide is examined as the first of three muscle types, followed by striated and cardiac muscle, and students then complete a comparison table covering shape, nuclei, striations and control. Use moderate light, because very bright illumination can wash out the pale fibre outlines, and return the slide to its box once the drawings are complete.

## Supplier

The supplier is Jain Scientific Equipments Private Limited, which does business under the ScienceLab name from Ambala, Haryana, India. It supplies teaching laboratories in India and international markets and can quote this slide together with the other muscle slides in a single enquiry – the company profile tells you more.

## Related Biology Lab Equipment

Items for a complete lesson on muscle tissue:

- [illegible] slide
- [illegible]

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