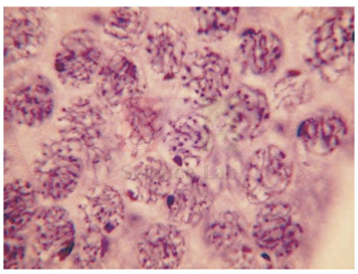
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Cell Division Slide Set of 9

Product Code :

SLE/PS/80



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

Description :

Nine prepared glass microscope slides that show chromosome division in plant and animal tissue. Mitosis appears in two Allium root preparations and meiosis in Lilium ovary, Lilium anther and locust testis. The set adds Rana ova, a mammal testis section and an acetic-orcein squash of insect salivary gland with giant chromosomes.

Slides in the cell division set

Parameter	Detail
Slide type	Prepared glass microscope slides
Number of slides	9
Topic	Mitosis and meiosis in plant and animal cells
Plant slides	Allium root apex LS, mitosis; Allium root tip squash; Lilium ovary, meiosis; Lilium anther TS, three stages of development
Animal slides	Locusta testis VS; Locusta testis squash, meiosis; Rana ova,various stages; mammal testis TS, spermatogenesis
Giant chromosomeslide	Insect salivary gland squash, stained with acetic orcein
Product code	SLE/PS/80
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Cell division practicals with the slide set

Mitotic index count. Under a compound microscope, scan the Allium root apex LS just behind the tip. Count every cell in a few fields, note how many are in prophase, metaphase, anaphase or telophase, and divide the dividing cells by the total. Stage pictures from the mitosis poster help students check their calls.

Section against squash. Compare the root apex LS, where cells sit in their rows, with the root tip squash, where the cells are pressed into one layer. Students see why chromosomes are easier to count in the squash, while the section shows where in the root the dividing zone lies.

Meiosis side by side. Look at the Lilium anther stages and the locust testis squash, and find cells with paired chromosomes or groups of four products. A meiosis model on the bench lets students match what they see to the order of the two divisions.

Giant chromosomes. Focus on the acetic-orcein salivary gland squash and look for the cross bands along each chromosome. This slide leads into gene mapping, and pairs

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