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Product Name :

Animal Mitosis Models

Product Code :

SLE/ECB/08



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Description :

Animal Mitosis Models (Product Code: SLE/ECB/08) is a set of 8 sequential models used to show how the chromosomes and mitotic apparatus of an animal cell divide, from interphase tolate telophase, in school and college biology. Each stage is embedded in a strong, crystal-clearplastic globe with colour-coded double-thread chromosomes, so students can study it from anyside. The set is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEMmanufacturer of biology lab equipment in India, at its own factory in Ambala, among its biologyteaching aids sold at home and abroad.

Specifications

Parameter	Detail
Type	Set of 8 sequential animal cell mitosis models
Construction	Organelles and cell inclusions embedded in strong, crystal-clearplastic globes
Structures shown	Nucleus, nucleolus, double-thread chromosomes (each in a different colour), centrioles, centromeres (kinetochores), aster and spindlefibres
Phases in the set	Interphase, Early Prophase, Late Prophase, Mesophase, Metaphase, Anaphase, Early Telophase, Late Telophase
Size, models 1 to 6	5-1/4 in high, 3-1/4 in diameter (approx.)
Size, models 7 and 8	6 in wide x 3-1/4 in deep x 5-1/4 in high
Weight of set	5.8 kg (approx.)
Product code	SLE/ECB/08
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Are the Animal Mitosis Models Used For?

Lined up on the bench in order, the eight globes let students follow a single cell cycle step by step: chromosomes condensing in prophase, gathering at the centre in metaphase, separating in anaphase and forming two new nuclei in telophase. Because each double-thread chromosome is a different colour, learners can track one chromosome through every stage and see for themselves that each daughter cell receives an identical set.

A useful classroom activity is to shuffle the models and ask groups to put them back in sequence, explaining the change between each pair. The set then leads naturally into prepared microscope slides, where students search real dividing cells for the same stages they have just handled. Models 7 and 8 are wider than the others, so allow a little extra bench space for them.

OEM Manufacturer

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