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Product Name :

DNA Activity Model

Product Code :

SLE/Mo/01



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Description :

DNA Activity Model (Product Code: SLE/Mo/01) is a build-it-yourself plastic double helix kit used to teach DNA structure, base pairing and replication in school and college biology. Students assemble colour-coded cytosine, adenine, guanine and thymine bases on phosphate strands around a centre rod representing hydrogen bonds, then display the model on a metal base that rotates. This DNA model kit for Indian classrooms is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Model type	Three-dimensional double helix, assembled by students
Components	Cytosine, adenine, guanine and thymine bases; connecting phosphate strands; centre rod representing hydrogen bonds
Material	Durable plastic components
Base	Sturdy metal base for easy rotation and classroom display
Base pairing	Colour-coded parts with specially shaped ends for correct base-pair alignment
Replication demonstration	Can be unzipped to demonstrate DNA replication
Weight	250 g approx.
Dimensions	130 x 130 x 450 mm approx.
Product code	SLE/Mo/01
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the DNA Activity Model Used For?

Building the helix themselves helps students remember what a textbook diagram rarely conveys: adenine always pairs with thymine and cytosine with guanine, the two strands wind around a common axis, and the bases sit inside the helix like the rungs of a twisted ladder. Because the shaped ends of the colour-coded parts only align with the correct partner, mistakes show up straight away and students correct them as they build.

Once assembled, the model can be unzipped down the middle to show how each separated strand serves as a template for a new partner strand during replication. At roughly 130 x 130 x 450 mm on its metal base, it suits the teacher's desk for whole-class discussion and turns easily so everyone can follow the helix. Keeping the parts sorted by base type between lessons makes the next assembly much quicker.

OEM Manufacturer

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