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**Product Name :**

Model, DNA

**Product Code :**

SLE/Mo/11



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## Description :

**Model, DNA** (Product Code: SLE/Mo/11) is a DNA teaching model used to perform classroom demonstrations of DNA structure, gene duplication and mutation in biology lessons. Its listing describes seven demonstrations, including revealing the double strand, duplicating a gene and mutating normal blood into sickle-cell blood, so it fits well into a genetics and inheritance unit. **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of school biology lab equipment in India, makes the model at its own factory in Ambala.

### Key Details

| Parameter | Detail |
|---|---|
| Model type | DNA teaching model for classroom demonstrations |
| Number of demonstrations | 7 (as listed) |
| Example demonstration | Reveal a double strand of DNA and duplicate the gene |
| Example demonstration | Synthesize normal blood, then mutate it to produce sickle-cell blood |
| Full demonstration list, parts and size | Not stated in this listing — ask us |
| Product code | SLE/Mo/11 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM |
| Country of origin | India (made in Ambala, Haryana) |

### What Is the DNA Model Used For?

The Model, DNA turns processes that students normally meet only as diagrams into something they can watch. Opening up the double strand shows the two complementary sequences, and duplicating the gene demonstrates how each strand acts as a template for a new partner strand during replication.

The sickle-cell demonstration links a change in DNA to a visible trait: a single base change in the gene for haemoglobin alters the protein and gives red blood cells their sickle shape. Building the normal version first and then introducing the mutation lets students compare the two side by side. Running the replication demonstration before the mutation one, and asking students to predict each outcome, keeps the class engaged.

### OEM Manufacturer

Jain Scientific Equipments Private Limited trades as ScienceLab and is the OEM (original equipment manufacturer) of the Model, DNA. The model is made at the company's own licensed factory at Saha, Ambala, Haryana, India, and supplied factory-direct to schools, colleges, dealers and importers.

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