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**Product Name :**

Teaching About Immunity Kit

**Product Code :**

SLE/BL/051



# Description :

**Teaching About Immunity Kit** (Product Code: SLE/BL/051) is a board-based demonstration kit used to show how the parts of the immune system work together in secondary and senior biology classes. Teachers and students move durable plastic pieces on a 30 x 40 inch demonstration board to act out antigen attack, antibody production and conditions such as AIDS, cancer and allergies. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for school biology lab equipment in India.

## Specifications

| Parameter | Detail |
|---|---|
| Type | Immune system demonstration kit |
| Demonstration board | 30 x 40 inch, with mounting legs |
| Pieces | Plastic pieces that will not break, chip, tear, peel or wear out |
| Cells and molecules represented | Phagocytes, monocytes, macrophages, T-cells, B-cells, plasma cells and antibodies; helper, killer, memory and suppression cells |
| Topics demonstrated | AIDS, cancer, vaccines, allergies, autoimmune reactions and more |
| Teaching material | Teacher's Guide with detailed lesson plans plus reproducible student worksheets |
| Product code | SLE/BL/051 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is the Teaching About Immunity Kit Used For?

A typical lesson starts with an invading antigen placed on the board. Students move a phagocyte or monocyte to attack it, produce macrophages, and then bring in T-cells and B-cells. Cloning the T and B cells produces helper, killer, memory and suppression cells, while plasma cells release antibodies — so the class sees each stage as a physical step rather than a list to memorise. Replaying the sequence with memory cells already on the board shows why a vaccine leads to a faster response the second time.

The same pieces then model disease: removing helper cells to show how HIV weakens the whole defence, or turning the response against the body's own tissue to explain an autoimmune reaction. Invite students to the board to place the pieces themselves, since the kit is built for hands-on participation, and use the reproducible worksheets to record each scenario. It sits well beside a human biology model set in India when a department wants practical resources for the immunity chapter.

## Supplier

This kit is supplied by **Jain Scientific Equipments Private Limited**, the Ambala, Haryana comp
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