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**Product Name :**

HIV/AIDS Testing Kit, Simulated

**Product Code :**

SLE/BL/045



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# Description :

**HIV/AIDS Testing Kit, Simulated** (Product Code: SLE/BL/045) is a classroom activity kit used to demonstrate the HIV test for AIDS with real laboratory techniques but simulated blood and reagents, in school and college biology and health lessons. It holds sufficient reagent and materials for a class of 30 students, with a teacher's guide, student notes, chemicals and equipment included. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as a biology experiment kit for students, alongside its school biology lab equipment in India.

## Key Details

| Parameter | Detail |
|---|---|
| Type | Simulated HIV test activity kit for teaching |
| Samples and reagents | Simulated blood and simulated reagents, described as safe in the hands of students and teachers |
| Class size | Sufficient reagent and materials for a class of 30 students |
| Included | Teacher's guide and students' notes, chemicals and equipment |
| Technique | Uses real laboratory techniques to demonstrate the HIV test |
| Learning outcomes | The body's immune system and the antigen/antibody reaction; what goes wrong when HIV infection occurs; the importance of safe blood for transfusion; how blood is screened and the disease diagnosed; prevention of spread |
| Diagnostic use | None — a teaching simulation, not a diagnostic test |
| Shelf life | Depends on the chemical, its grade and storage conditions — ask us for the expiry date of the batch you are quoted |
| Product code | SLE/BL/045 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is the Simulated HIV/AIDS Testing Kit Used For?

The activity usually opens with the immune system: how antibodies recognise and bind to a specific antigen, and why a test can look for antibodies as evidence of infection. Students then work through the simulated test on a set of "patient" samples, following the same kind of step-by-step procedure a screening laboratory uses, and record which samples react. Because the blood and reagents are simulated, every student can take part directly rather than watch a demonstration.

The results lead into a discussion of what HIV does to the immune system, why blood transfusion — a life-saving practice given to millions of patients every month — depends on safe, screened blood, and how the spread of the disease can be prevented. It fits well in a health education kit collection for schools. Teachers should make clear that this is a simulation, set ground rules for discu ion to bu

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