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Product Name :

HIV/AIDS Testing Kit, Simulated

Product Code :

SLE/BL/045



Science Lab

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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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