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Product Name :

Chemiluminescence in Blood Stain Detection

Product Code :

SLE/CH/104



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Description :

Chemiluminescence in Blood Stain Detection (Product Code: SLE/CH/104) is a forensic chemistry demonstration kit used to show how luminol reveals hidden blood at a crime scene, in school and college science classes. Its special luminol formulation needs no separate hydrogen peroxide catalyst: re-hydrate it, use it with the simulated blood haemoglobin, and a faint glow appears once the lights are off. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as a chemistry teaching kit for forensic science units.

Key Details

Parameter	Detail
Type	Forensic chemistry demonstration (chemiluminescence)
Scenario	A scene with no visible blood is sprayed with a liquid and the lightsare turned out, revealing a faint glow
Reagent	Special luminol formulation; no separate hydrogen peroxide catalyst required
Preparation	Re-hydrate, then use with the simulated blood haemoglobin
Quantity	Enough material for several demonstrations
Documentation	Instruction manual with suggested activities
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/CH/104
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Chemiluminescence Blood Stain Detection Kit Used For?

It recreates a familiar investigation: crime scene officers have collected fingerprints, hair and fibres, yet no blood can be seen. Mark out a mock scene, apply the simulated blood haemoglobin where students cannot see it, re-hydrate the luminol and apply it as the manual describes, then darken the room completely. Afterwards, explain that luminol is oxidised in a reaction catalysed by the iron in haemoglobin, and that the energy released leaves the product molecule in an excited state that gives off light rather than heat.

Prepare the reagent shortly before the demonstration, keep everything else sealed until needed, and wear eye protection and gloves while handling it. The suggested activities let teachers extend the lesson into discussion of evidence, false positives and why forensic scientists confirm results with further tests, so this science kit with manual suits forensic and chemistry units in India and beyond.

Supplier

This demonstration kit is supplied by **Jain Scientific Equipments Private Limited**, which trades as **Sc**
teach
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