



**MAKES IT BRIGHT**

## DETECTING BLOOD STAINS

There are several common ways to detect blood at the crime scene. One very easy and quick way to detect blood is to use UV light.

### When to use UV light to detect blood:

- Reduce the risk of collecting unnecessary stains
- Detect blood on dark, red or violet surfaces
- Find blood stains that are concealed by paint

### Reduce the risk of collecting unnecessary stains

By using ultraviolet light it is possible to do an effective and quick check for possible bloodstains. A bloodstain exposed to UV light absorbs all light of that bandwidth and does not reflect back – that is to say, it does not fluoresce in any way. Thus the stain will appear black under UV. Although not a conclusive test for blood, it is an effective presumptive test and can often eliminate the unnecessary collection of stains that appear to be blood are actually from another source.

### Dark surfaces

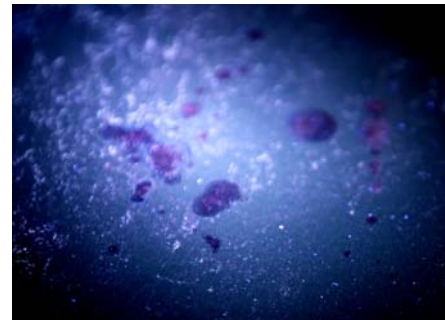
The UV light source is also effective for providing sufficient contrast of bloodstains that are found on red- or violet-colored objects. Such stains often fade into the background so well that it is impossible to photograph them. Ultraviolet light often provides sufficient contrast between the background and stain to allow the stains to be visualized in a photograph.

### Blood concealed by paint

It is not uncommon that a perpetrator of a crime tries to get rid of potentially incriminating evidence. This may include painting over areas that have been exposed to blood. To the naked human eye it is next to impossible to see that a blood stain has been painted over. By using ultraviolet light however, it is possible to detect blood stains that have been concealed by paint.

## WHAT MAKES THE LABINO® UV LIGHT UNBEATABLE?

- Its high UV intensity creates new possibilities in the field of crime investigation.
- Labino® high intensity UV lamps are so powerful that they can even be used in normal lit areas or outdoors while still maintaining a high contrast-to-background while maximizing the probability of detecting valuable traces.
- Immediate start and restart – full power in approximately 5-15 seconds.
- Dust tight and temporary water proof, IP65 certified.



Photographed using Canon EOS-Ds1. Objective: Canon EF Lens 77 mm. Zoom 24-70, 1:2,8 (No special filters)

*Under normal light, these stains are difficult to see and nearly impossible to photograph. A UV light source causes the stains to absorb all light and appear black, while the background cloth lightens and reflects the light.*

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