



**MAKES IT BRIGHT**

### SEMEN | URINE | SWEAT | SALIVA

Detecting body fluids at the crime scene is a delegate task. Using a UV light lamp however makes the job easier.

#### When to use UV light to detect body fluids:

##### Mark up the crime scene

Most stains from body fluids can be seen when using a high intensity UV light. That is to say that most body fluids have some fluorescent nature or reveal themselves in a special way when illuminated with UV light. In most cases it is not possible to see such stains otherwise. The most effective way of using the UV lamp is to use it to 'mark' the crime scene. In other words, you mark all stains that could be useful 'traces'. When using an intense UV light it is also possible to see things at a distance that otherwise would be nearly impossible to see. While the UV light cannot confirm exactly what sort of stain you are looking at, it does indicate where the stains or body fluids are. This makes it possible to then take samples or perform further investigation.

##### Dark textiles

The high intensity UV light is a superb complement to more advanced Alternative Light Sources due to the fact that ALS's often have limitations in finding body fluids on very dark textiles. High intensity UV light is being used for example to examine the interior of black coloured 'robber' masks, and to illuminate the sweat seen on the inside of these.

#### What body fluids are fluorescent by nature?

- Semen (DNA)
- Vaginal secretion (DNA)
- Urine (DNA if it contains blood or other body fluid)
- Sweat (DNA)
- Saliva (DNA)

##### Semen

Semen is very fluorescent by nature and the fluorescence can be observed on dark as well as light textiles when illuminated with an intense UV light, without the need for using coloured goggles.

##### Vaginal secretion

Vaginal fluid is very hard to detect at all times, as it has a very weak fluorescence.

##### Urine

Urine is very easy to detect as it is very fluorescent when illuminated with ultraviolet light. You can even see it at great distances. Finding urine can be valuable as it can be analysed for traces of blood or other particles that contain DNA.

##### Sweat

Sweat contains DNA and is usually easy to see with high intensity UV light. Sweat can be found on gloves, the inside of 'ski' or 'robber' masks, and areas where the criminal has spent a lot of time working under stress i.e. on a door or lock.

##### Saliva

Saliva contains DNA and is therefore valuable to the criminal investigator. Saliva is most often found on the inside of robber masks and is easily detected by high intense UV light. Saliva can also be transferred to and found on gloves and areas where the criminal has spent a lot of time working under stress i.e. on a door or lock. Saliva is often found in the same areas that you find sweat.

#### WHAT MAKES THE LABINO® UV LIGHT UNBEATABLE?

- Its high UV intensity creates new possibilities in the field of crime investigation.
- Labino® 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

##### DISTRIBUTOR:



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## Semen

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*Photo of belt with semen illuminated with WHITE light*



*Photo of belt with semen illuminated with UV light*



*Photo of t-shirt with semen illuminated with WHITE light*



*Photo of t-shirt with semen illuminated with UV light*



*Photo of paper with semen illuminated with WHITE light*



*Photo of paper with semen illuminated with UV light*



*Photo of plastic with semen illuminated with WHITE light*



*Photo of plastic with semen illuminated with UV light*

Urine

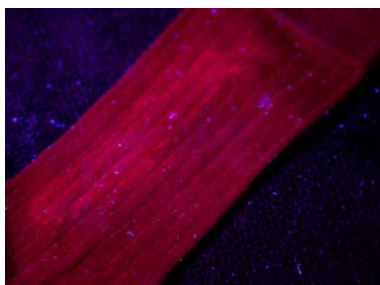
MAKES IT BRIGHT



*Photo of underwear with urine illuminated with WHITE light*



*Photo of underwear with urine illuminated with UV light*



*Photo of sock with urine illuminated with WHITE light*



*Photo of paper with urine illuminated with UV light*

Saliva



*Photo of robber mask with saliva illuminated with WHITE light*



*Photo of robber mask with saliva illuminated with UV light*



*Photo of paper with saliva illuminated with WHITE light*



*Photo of paper with saliva illuminated with UV light*

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