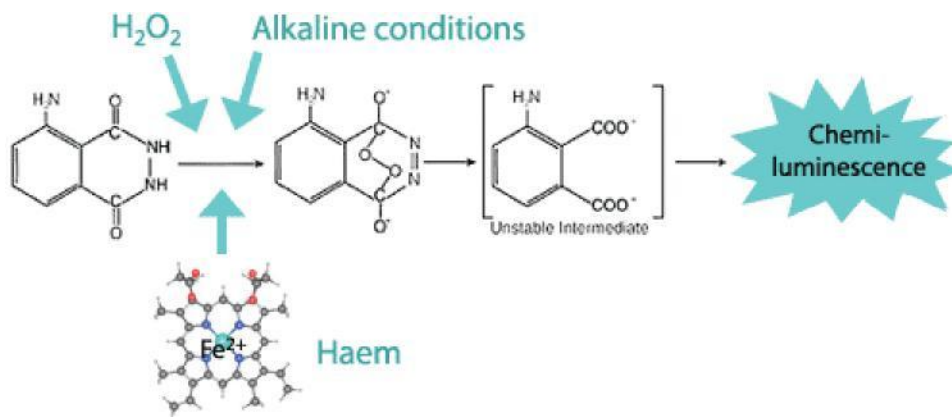


# BLUESTAR<sup>®</sup> FORENSIC

## Latent bloodstain reagent

BLUESTAR<sup>®</sup> FORENSIC is a new reagent whose purpose is to reveal blood stains that have been washed out, wiped off or which are invisible to the naked eye. This product is intended for crime investigators. Based upon chemiluminescence, its unique formula qualifies it as the most effective blood revealer available on the market, for crime scene as well as forensic lab use. BLUESTAR<sup>®</sup> FORENSIC does not alter the DNA of the revealed blood which allows for its subsequent genotyping. It is also compatible with ABO typing. Furthermore, it is non toxic and easy to prepare and use.



- **Latent Blood Reagent**

This new chemical formula based on luminol surpasses the others in performance and overcomes their drawbacks for an easy and reliable use.

- **Extreme performance**

The **extreme sensitivity** of BLUESTAR<sup>®</sup> FORENSIC allows the naked eye to detect bloodstains down to 1:10,000 dilutions, like minute traces or droplets that have been washed off, with or without detergent. BLUESTAR<sup>®</sup> FORENSIC has a **stronger and longer-lasting luminescence that does not require total darkness to be visible**. Good quality pictures can be obtained with an ordinary camera and film. With a little practice, BLUESTAR<sup>®</sup> FORENSIC makes it **impossible to get confused between blood and false positives** since the luminescence differs in colour, intensity and duration. BLUESTAR<sup>®</sup> FORENSIC does not alter DNA and **allows for both subsequent DNA typing and ABO typing**. BLUESTAR<sup>®</sup> FORENSIC works as well on fresh blood as on very old or altered bloodstains, pure or diluted.

- **Easier to use**

BLUESTAR<sup>®</sup> FORENSIC is **easier and safer to prepare** thanks to the pre-formulated tablets which avoid weighing-out ingredients. Neither powders nor liquids to be mixed, only fast-dissolving tablets. Does not contain any sodium tetrahydrate perborate. Easily recycled. No residues left after drying.

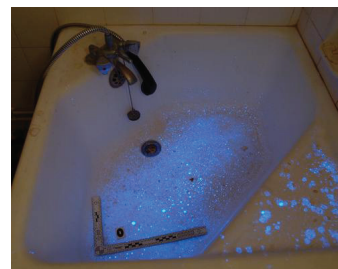
BLUESTAR<sup>®</sup> FORENSIC can be **sprayed over and over again** on the same bloodstains for the same resulting luminescence each time.

**Before use, BLUESTAR<sup>®</sup> FORENSIC has a very long shelf-life** and does not necessitate any special storage condition.

**Once mixed, BLUESTAR<sup>®</sup> FORENSIC is stable** and will work for hours, or even several days.

- **Available in different versions**

BLUESTAR<sup>®</sup> FORENSIC is sold as a ready-to-use **field kit**, and its smaller version “**mini kit**” or as water soluble **tablets**, the multi-use compact version. Tiny droplets of blood will be best detected with the ultra-powerful **Magnum** version. For training purposes, use our **training tablets**, a cheaper version of the regular tablets.



## BLUESTAR® FORENSIC KIT

The **BLUESTAR® FORENSIC KIT** provides the crime scene investigator with a complete tool to ascertain the presence of blood, or its possible absence.

1. Ready-to-use : just add the three white tablets to the bottle to obtain a single-use mixture
2. Sealed by a safety band

### How to prepare the solution

Simply dissolve 3 **BLUESTAR® FORENSIC** tablets of catalyst in the lightening solution of the bottle and spray on any surface.



CODE: **BL-FOR-BLUEST**

### Kit contents

Hermetically sealed bottle with 500 ml (16 oz) reagent, with safety band  
3 catalyst tablets  
1 fine mist atomizer

## BLUESTAR® FORENSIC MINI KIT

The **BLUESTAR® FORENSIC MINI KIT** is meant primarily for police searching small areas or objects for a quick verification when suspecting a crime has happened.

1. Instantly ready : just add a pair of tablets to one of the spray bottles of distilled water
2. More economical and practical for quick or limited investigations before the intervention of crime scene specialists.
3. The MINI KIT provides two bottles for two independent investigations

### How to prepare the solution

Simply dissolve 1 pair of **BLUESTAR® FORENSIC** tablets in one of the bottles and spray on any surface.



CODE: **BL-FOR-125**

### Kit contents

2 bottles with 125 ml (4 oz) distilled water and fine mist atomizer  
2 pairs of **BLUESTAR® FORENSIC** tablets

## BLUESTAR® FORENSIC TABLETS 4 APPLICATIONS

### Pillbox of 4 pairs of individually packed tablets

A compact and lightweight multi-use product. Each box provides the investigator with the possibility to prepare 4 times 125 ml (4 oz) of **BLUESTAR® FORENSIC** working solution or 500 ml (16 oz) at once.

### How to prepare the solution

To prepare the working solution, you will need to dissolve a pair of tablets (white + beige) in 125 ml (4 oz) of distilled water in a bottle equipped with a fine mist atomizer. Or use the 4 pairs at once if you need 500 ml (16 oz).



CODE: **BL-FOR-TAB-4**

### Kit contents

4 pairs of individually and hermetically sealed tablets. Each pair holds one beige tablet (the reagent) and one white tablet (catalyst).

## BLUESTAR® FORENSIC TABLETS 8 APPLICATIONS

### 8 pairs of tablets for 8 applications

A very compact and lightweight multi-use product. Each pack provides the investigator with the possibility to prepare 8 times 125 ml (4 oz) of **BLUESTAR® FORENSIC** working solution or up to 1L (32 oz) if all tablets are used together.

### How to prepare the solution

To prepare the working solution, you will need to dissolve a pair of tablets (white + beige) in 125 ml (4 oz) of distilled water in a bottle equipped with a fine mist atomizer. Or use the 8 pairs at once if you need 1 L (32 oz).



CODE: **BL-FOR-TAB-8**

### Kit contents

2 tubes of tablets and the user's manual. The red-top tube holds 8 beige tablets (the reagent) while the white-top tube holds 8 white tablets (catalyst).

## BLUESTAR® FORENSIC MAGNUM

CODE: **BL-FOR-MAG**

BLUESTAR® FORENSIC MAGNUM, 3 times more powerful than the regular BLUESTAR® FORENSIC, has been especially formulated for the critical cases when minute blood particles are searched for (microscopic droplets that have been projected onto an aggressor's clothing for instance). Such droplets, invisible to the naked eye, and even under a magnifier, are sometimes the only evidence available to confound a murderer. With the MAGNUM version, their discovery is easier thanks to the increased sensitivity and intensity of the luminescence.

The MAGNUM is also very useful when searching for blood on washed garments (or other objects). Its higher sensitivity helps to make blood stains stand out.

Particularly suited for forensic lab technicians who need an extremely efficient chemical for detailed examination of items such as clothing or weapons. It is also usable in a variety of situations, in a laboratory or at a crime scene that involves a limited search area or vertical and smooth surfaces, using the outstanding ECOSPRAY.

### How to prepare the solution

You will need a spray bottle equipped with a fine mist atomizer or use an ECOSPRAY. Pour the content of the BLUESTAR® FORENSIC MAGNUM into the spray bottle and add the three tablets of oxidizer.

The product can also be used in three separate doses, for searching small objects (such as a garment). Pour 1/3 of the bottle content into the spray bottle, then add 1 tablet of oxidizer.

### Kit contents

Bottle containing 125 ml (4 oz) of chemiluminescent solution  
1 foil packet containing 3 tablets of oxidizer.



## FORENSIC ECOSPRAY

CODE: **ECS00200 – Complete Ecospray** (Body unit + Pressure reservoir + Container + 0.70 mm nozzle)

**ECS00210 – Pressure reservoir** (130 g Pressure refill)

**ECS00220 – Container** (125 ml / 4 oz. Crystal PETG Container + white PP screw cap)

**ECS00230 – Nozzles** (Set of 3 jet nozzles – 0.50 mm + 0.70 mm + 0.90 mm)

### Better than a sprayer, more than an aerosol

ECOSPRAY is a small fully self-contained micro-sprayer with a disposable gas pressure reservoir that applicates fluids with a perfect mist quality (fineness, even coating and distribution of particles). Its performance with BLUESTAR FORENSIC MAGNUM is outstanding.

### Easy to use

Simply attach the disposable pressure reservoir to the ECOSPRAY body unit, fill and attach the liquid container with BLUESTAR solution. Press the button to spray BLUESTAR in a uniform mist. ECOSPRAY can be tilted down at a 45° angle or even more without losing performance, a true advantage when it comes to spraying horizontal objects or surfaces

### How does it work ?

ECOSPRAY works like a gun paint sprayer. The BLUESTAR solution is sucked up from the container and is sprayed by the gas propellant in vapor phase. The performance of the metal jet nozzle is far superior to what you might obtain with a hand pump sprayer or a common aerosol, as you can see below:

Notice the difference in size and distribution between the Ecospray (under) and an ordinary hand pump sprayer (above). These tests were carried out in the exact same conditions (same fluid, same distance, same kind of surface).

In some cases, the crime scene investigator might have to **reveal bloodstains on non porous surfaces**, such as acrylic paint, ceramic, glass, marble, etc. Because BLUESTAR FORENSIC is dissolved in water, spraying the reagent on such surfaces, especially vertical ones, will cause drippings, thus irreversibly distorting the initial bloodstain pattern. **ECOSPRAY diffuses BLUESTAR in such a fine mist that the risk of drippings or spreading the blood trace is minimized.** With a little training, the bloodstain will not drip or run.



### Specifications

L x l x H: 105 x 50 x 130 mm

Weight (empty): 190 grams

Life time guarantee

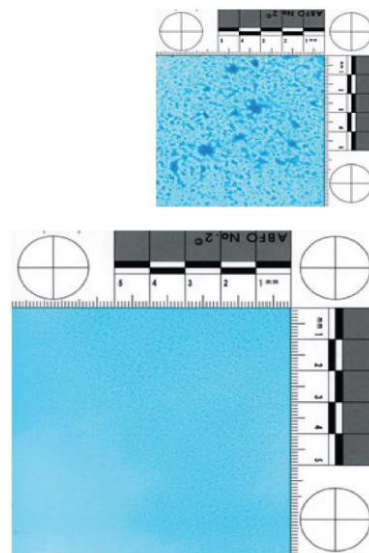
**Container:** in crystal PETG + white PP screw cap

Max capacity: 125 ml / 4 oz

**Gas reservoir:** Aluminum solid cast

Resists internal pressure up to 18 bars

Propels 440 ml / 15 oz



### Flow according to nozzle

NOZZLE	FLOW
Diam. 0,50 mm	0,27 ml/s
Diam. 0,70 mm	0,45 ml/s
Diam. 0,90 mm	0,75 ml/s