

STK[®]

Sperm Tracker

Detection of Semen Traces from Sexual Assault Evidence

Sexual assaults are usually unwitnessed and being able to detect offender's semen traces on evidences plays most of the time a crucial role in corroborating victim's allegations during investigation phase.

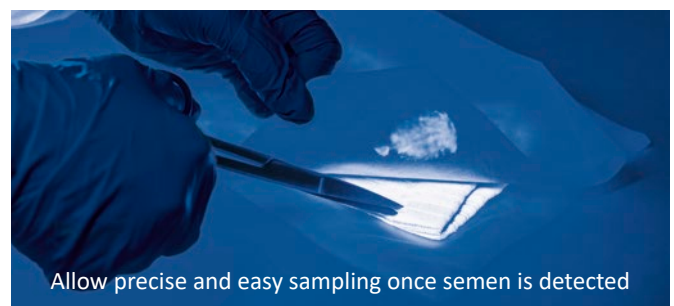
Forensic laboratory personnel often face the difficult task to locate semen traces from sexual assault evidence within a short period of time. If UV light and alternate light sources are widely used within forensic laboratories, scientific literature agrees that it shows many disadvantages. The main weakness being lots of false positive traces that are then time and money consuming to exclude from the analysis. Moreover, according to fabric and color, one can admit that a very important percentage of semen traces are not being detected by alternate light sources available on the market.

After years of research in collaboration with the French National Institute of Scientific Police (INPS/LPS69) and ICBMS (UMR5246), AXO Science is now bringing to the forensic experts STK Sperm Tracker (INPI DSO 2017000128).



STK Sperm Tracker offers many advantages to forensic laboratories personnel in detecting semen stains:

- **Sensitive:** do not miss any single semen stain by using the most sensitive technique available
- **Specific:** do not waste time & money with false positive, only semen will show, even if mixed with other body fluids
- **Non Toxic:** human and environmental friendly. Get rid of carcinogen, time-consuming AP reagents
- **Easy and Ready to Use:** simple and rapid 4 steps protocol



Allow precise and easy sampling once semen is detected

STK Sperm Tracker is ready to be used without any prior hands-on

- Format: Continuous roll: 0.92m x 40m or 0.92m x 10m, and A3 sheets: 20 pieces. STK can be cut easily to fit evidence shape
- Shelf life: 12 months
- ISO 18385 Forensic Grade
- Batch number, produced according to ISO 9001 standards
- Do not alter DNA. Fully compatible with extraction techniques

Simple and rapid 4 steps protocol



1

Using a sprayer, wet absorbing side of a piece of STK with demineralized water



2

Cover area to be tested with wet absorbing side against the item. It is possible to analyse both sides at the same time by sandwiching the item



3

Press for 3 minutes



4

Read results with a UV light (365-366nm)
Only semen stains will glow in a blue color

AXO Science

AXO Science aims at improving public health through the development of innovative high-throughput and multiplexed microarray diagnostic solutions dedicated to the characterization of biological samples. AXO Science maintains high-quality standards and is ISO 9001 and ISO 13485 certified. STK Sperm Tracker is produced according to ISO 18385 forensic standards.

Contact us

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