



STK® Sperm Tracker STK Lab

DIRECTION FOR USE

V1.2 – Update: January 7th, 2022

Ref.: STK_Lab_notice_EN_V1.2

Symbol definition:

REF

Catalogue references: **AXO-STK-9240**, **AXO-STK-9210** and **AXO-STK-A3-20**



Single use

LOT

Batch number



Expiry date



Recommended storage temperature



See User Guide



Do not use if packaging is damaged



AXO Science S.A.S.

36 Bis rue de Bruxelles

69100 Villeurbanne France



Keep away from light

1. Product purpose :

STK Lab from STK® Sperm Tracker range is a presumptive test for the detection of human male semen.

2. Principle of the test:

STK Lab shows as a paper impregnated with reagents. Reagents react specifically with Acid Phosphatase found in human semen.

Presence of this enzyme on the studied evidence creates a reaction with STK Lab. The revealed specific stain can be visualized using a UV light.

STK Lab does not damage DNA and does not alter potential DNA extraction and PCR amplification. It allows simple sample collection directly on the evidence in order to perform genetic analysis of the sample.

3. Provided material:

STK Lab paper: roll or sheet.

STK Lab paper has one side with a laminated surface (reading side), and one blotter side impregnated with reagents (analysis side). Small paper imperfection can sometimes be seen on paper surface. It does not alter test performances.

4. Necessary material:

Press (recommended, example: AXO-STK-P1 product)

Sprayer with demineralized water.

Portable UV light 365-366nm with visible light filter (e.g.: Vilber VL 6.L or CAMAG UV lamp 4). Be aware that each lamp is different from one another (power, background noise). It is advised to check the detection performances with positive control sample (example: AXO-STK-PC-10 product).

5. Protocol:

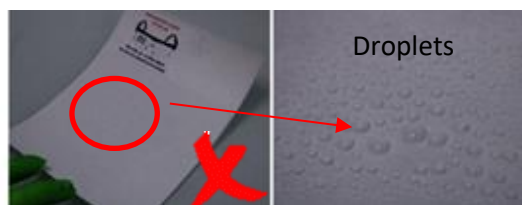
Beforehand: Personal Protective Equipment

It is advised to wear appropriate laboratory protective equipment (gloves, facemask, hat and lab coat) to prevent from contaminating STK Lab.

It is mandatory to wear UV-protective glasses when using UV light.

Analysis :

- Cut a piece of STK Sperm Tracker the size needed to fit the evidence.
- Using the spray, moisten generously the absorbing side of STK Sperm Tracker with demineralized water (approximately 150 to 200 ml/m² i.e. ~0.5 to 0.6 fl. oz./yd²)



- c) Cover evidence to be studied with STK Sperm Tracker: moisten absorbing side against the evidence and reading side up.
- d) Place under a press, STK Sperm Tracker on top with the laminated reading side up.
- e) Press for 3 minutes. A longer press is possible, 10 minutes for instance, but may increase the risk to generate spurious signals. Evidence and STK Sperm Tracker must not move during pressing and when opening the press (STK Lab can easily be pinned).
- f) Put UV protective glasses on and switch on the UV light.
- g) In the dark, make the revelation by positioning UV light approximately 50 cm (~20 inches) above the laminated reading side.
- h) See the result (see 6. Results Interpretation, hereafter).
- i) Dispose the piece of STK Sperm paper (see 7. Disposal hereafter).

6. Results interpretation:

Once analysis is completed according to Chapter 5. Protocol:

- Presumptive test is **positive**: a blue fluorescent signal is detected with the UV light.

- Presumptive test is **negative**: no fluorescent signal is detected with the UV light.

7. Disposal:

Used STK Lab must be discarded in an appropriate container (see Waste Management Policy).

8. Contraindications:

Adding chemical or biological products not mentioned in the protocol may alter test effectiveness.

The exposure of the kit to physical changes such as exposure to sunlight or extreme temperatures or pressures, will lead to product deterioration.

A signal close to a positive result may occur in the presence of residual bleach, oxidizers, household detergents or mold. These weaker signals are easily recognizable and cannot be interpreted as a positive signal by a trained operator.

9. Conditions of use:

Keep away from light, and heat.

Storage must be at room temperature: between +14°C (+57°F) and +30°C (+86°F).

If these value are exceeded, use a positive control test to check product performances.

Storage before opening :

Expiry date will be found on product packaging. Do not use after expiry date.

Storage after opening :

It is recommended to use the product within 3 months after opening.

Once wet, STK paper must be used rapidly and cannot be reused and must be discarded.

INFORMATION AND TECHNICAL SUPPORT

Email: support@axoscience.com

Phone number: +33 (0)4 78 93 08 26

Website: www.sperm-tracker.com

NOTICE

AXO Science shall not be held responsible for accidental or consequential damages related to, or arising from, improper use or understanding of the manual and instructions it contains.

INTELLECTUAL PROPERTY

STK Sperm Tracker, AXO science and logos are registered trademarks owned by AXO Science.

The purchase of this product gives the buyer the non-transferable right to use the product. The buyer shall not sell or otherwise transfer this product to a third party or use this product for commercial purposes. The use of this product implies acceptance of AXO Science terms and conditions. This manual must not be copied or transmitted without AXO Science written express approval.



STK® Sperm Tracker STK Lab

DIRECTION FOR USE

V1.2 – Update: January 7th, 2022

Ref.: STK_Lab_notice_EN_V1.2

Symbol definition:

REF

Catalogue references: **AXO-STK-9240**, **AXO-STK-9210** and **AXO-STK-A3-20**

LOT

Batch number



Recommended storage temperature



Do not use if packaging is damaged



Keep away from light



Single use



Expiry date



See User Guide



AXO Science S.A.S.
36 Bis rue de Bruxelles
69100 Villeurbanne France

1. Product purpose :

STK Lab from STK® Sperm Tracker range is a presumptive test for the detection of human male semen.

2. Principle of the test:

STK Lab shows as a paper impregnated with reagents. Reagents react specifically with Acid Phosphatase found in human semen.

Presence of this enzyme on the studied evidence creates a reaction with STK Lab. The revealed specific stain can be visualized using a UV light.

STK Lab does not damage DNA and does not alter potential DNA extraction and PCR amplification. It allows simple sample collection directly on the evidence in order to perform genetic analysis of the sample.

3. Provided material:

STK Lab paper: roll or sheet.

STK Lab paper has one side with a laminated surface (reading side), and one blotter side impregnated with reagents (analysis side). Small paper imperfection can sometimes be seen on paper surface. It does not alter test performances.

4. Necessary material:

Press (recommended, example: AXO-STK-P1 product)

Sprayer with demineralized water.

Portable UV light 365-366nm with visible light filter (e.g.: Vilber VL 6.L or CAMAG UV lamp 4). Be aware that each lamp is different from one another (power, background noise). It is advised to check the detection performances with positive control sample (example: AXO-STK-PC-10 product).

5. Protocol:

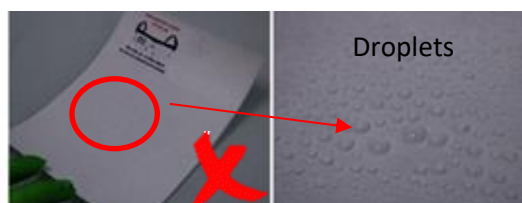
Beforehand: Personal Protective Equipment

It is advised to wear appropriate laboratory protective equipment (gloves, facemask, hat and lab coat) to prevent from contaminating STK Lab.

It is mandatory to wear UV-protective glasses when using UV light.

Analysis :

- Cut a piece of STK Sperm Tracker the size needed to fit the evidence.
- Using the spray, moisten generously the absorbing side of STK Sperm Tracker with demineralized water (approximately 150 to 200 ml/m² i.e. ~0.5 to 0.6 fl. oz./yd²)



- c) Cover evidence to be studied with STK Sperm Tracker: moisten absorbing side against the evidence and reading side up.
- d) Place under a press, STK Sperm Tracker on top with the laminated reading side up.
- e) Press for 3 minutes. A longer press is possible, 10 minutes for instance, but may increase the risk to generate spurious signals. Evidence and STK Sperm Tracker must not move during pressing and when opening the press (STK Lab can easily be pinned).
- f) Put UV protective glasses on and switch on the UV light.
- g) In the dark, make the revelation by positioning UV light approximately 50 cm (~20 inches) above the laminated reading side.
- h) See the result (see 6. Results Interpretation, hereafter).
- i) Dispose the piece of STK Sperm paper (see 7. Disposal hereafter).

6. Results interpretation:

Once analysis is completed according to Chapter 5. Protocol:

- Presumptive test is **positive**: a blue fluorescent signal is detected with the UV light.

- Presumptive test is **negative**: no fluorescent signal is detected with the UV light.

7. Disposal:

Used STK Lab must be discarded in an appropriate container (see Waste Management Policy).

8. Contraindications:

Adding chemical or biological products not mentioned in the protocol may alter test effectiveness.

The exposure of the kit to physical changes such as exposure to sunlight or extreme temperatures or pressures, will lead to product deterioration.

A signal close to a positive result may occur in the presence of residual bleach, oxidizers, household detergents or mold. These weaker signals are easily recognizable and cannot be interpreted as a positive signal by a trained operator.

9. Conditions of use:

Keep away from light, and heat.

Storage must be at room temperature: between +14°C (+57°F) and +30°C (+86°F).

If these value are exceeded, use a positive control test to check product performances.

Storage before opening :

Expiry date will be found on product packaging. Do not use after expiry date.

Storage after opening :

It is recommended to use the product within 3 months after opening.

Once wet, STK paper must be used rapidly and cannot be reused and must be discarded.

INFORMATION AND TECHNICAL SUPPORT

Email: support@axoscience.com

Phone number: +33 (0)4 78 93 08 26

Website: www.sperm-tracker.com

NOTICE

AXO Science shall not be held responsible for accidental or consequential damages related to, or arising from, improper use or understanding of the manual and instructions it contains.

INTELLECTUAL PROPERTY

STK Sperm Tracker, AXO science and logos are registered trademarks owned by AXO Science.

The purchase of this product gives the buyer the non-transferable right to use the product. The buyer shall not sell or otherwise transfer this product to a third party or use this product for commercial purposes. The use of this product implies acceptance of AXO Science terms and conditions. This manual must not be copied or transmitted without AXO Science written express approval.