

Forensic Breakthroughs

A Series of Alerts On Newest Forensic Technologies

Why Spend Hours Pouring Over Slides Looking For One Sperm?

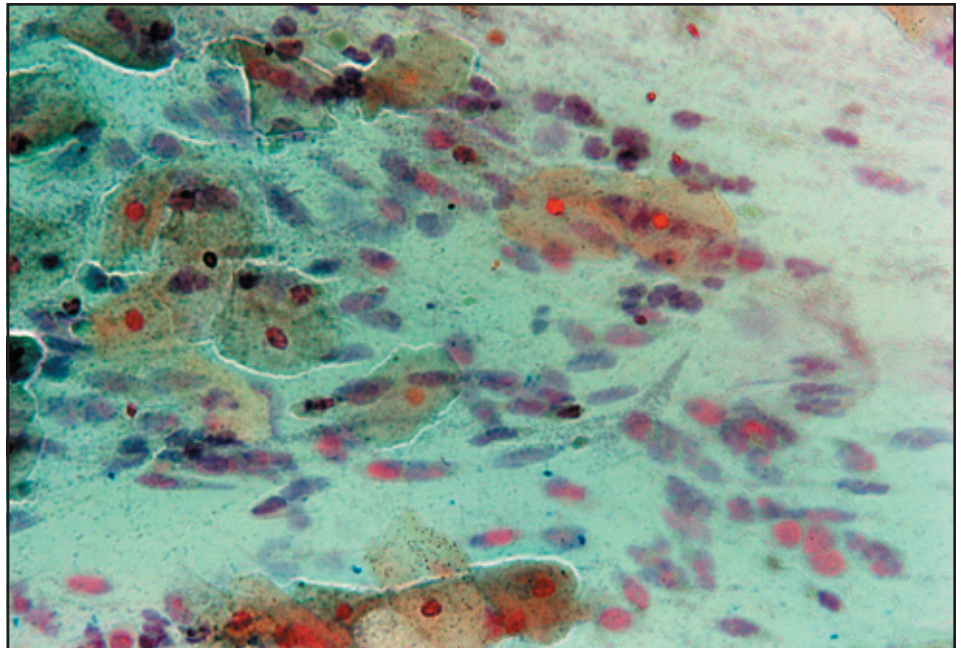
KPICS SpermFinder is the first completely automated system that quickly and accurately identifies sperm within a smear and directs an analyst to the exact individual locations.

According to the U.S. Justice Department, only 58% of sexual assaults result in felony convictions.

Identification of sperm is the “gold standard” for confirming sexual activity. Unfortunately, manual microscopic examination of slides is one of the most tedious and time-consuming activities in forensic biology.

Works Best When You Need It Most

As a rare event locator, the KPICS SpermFinder is ideal for searches with a sperm density of 1+ or less, regardless of the amount of surrounding debris including epithelial cells, white blood cells, bacteria, yeast, or other fragments.



Do you have the time to review 11,000 more of these images in a single slide?

KPICS SpermFinder recognizes sperm with or without tails intact and applies identical processing to each field in a repeatable manner that automatically adjusts for normal variations in over- and under-staining of the “Christmas Tree” (Keruechtrot-Picroindigocarmine Stain or KPICS). Consequently, many of the potential conflicting results due to age, pH, and secretions from the cells as related to the amount of staining are eliminated.

Conduct Searches More Rapidly

After loading slides and selecting regions to scan, the analyst may work on other tests while the system completely and automatically scans the slides, analyzing thousands of fields, and accurately documenting each sperm location in three-dimensional space (X,Y,Z coordinate system).

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NicheVision Inc.

“When you need to find a needle in a haystack...”

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After scanning is complete the analyst returns and the system automatically brings up identified sperm so that each can be visually validated.

Not only are the searches done more rapidly, but, since the system works 24/7, many more searches can be performed.

Conduct Searches With Less Stress

Manual scanning through a microscope (usually looking for “a needle in the haystack”) results in tremendous strain for the analyst. These searches remain one of the most laborious, time-intensive, and least favored activity for analysts.

KPICS SpermFinder leverages the analyst’s time and skills by reducing the time required for sperm searches and increasing the amount of time the analyst can spend on other forensic duties.

Maximize Your Extractions

Seminal stains commonly do not contain enough DNA for a standard extraction method. However, in these cases, the smear slide, or a minimal portion of the swab, can be scanned automatically, thus conserving a larger portion of evidence for DNA profiling.

The KPICS SpermFinder quickly and accurately locates and marks sperm cells in a smear without destroying evidence. The optimal extraction procedure may be selected by the analyst based on the information provided by the system.

How You Can Be Sure It Works...

NicheVision has patent-pending algorithms that have been in development for several years. The system is successfully used in crime-lab case-work. However, the proof is in the pudding, so here’s our offer to you:

If you would like to experience for yourself these unparalleled benefits:

- **Accurately and automatically find more sperm... and faster**
- **Eliminate the stress of manual sperm searching**
- **Maximize your extractions**

We Invite You To Take “The NicheVision Sperm Challenge”

Request our Sperm Challenge Kit. Submit any slide with a sperm density of 1+ or less. Within 24 hours we’ll return the slide to you, along with a complete detailed report.

Validate for yourself the incredible accuracy and time savings of the KPICS SpermFinder. Sperm searches no longer have to be painful and time-consuming.

**Call Us Today For Your FREE Sperm Challenge Kit!
866.840.3758**



FINALLY... The world’s first *completely automated* sperm-finding system.



NicheVision Inc.

“When you need to find a needle in a haystack...”

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