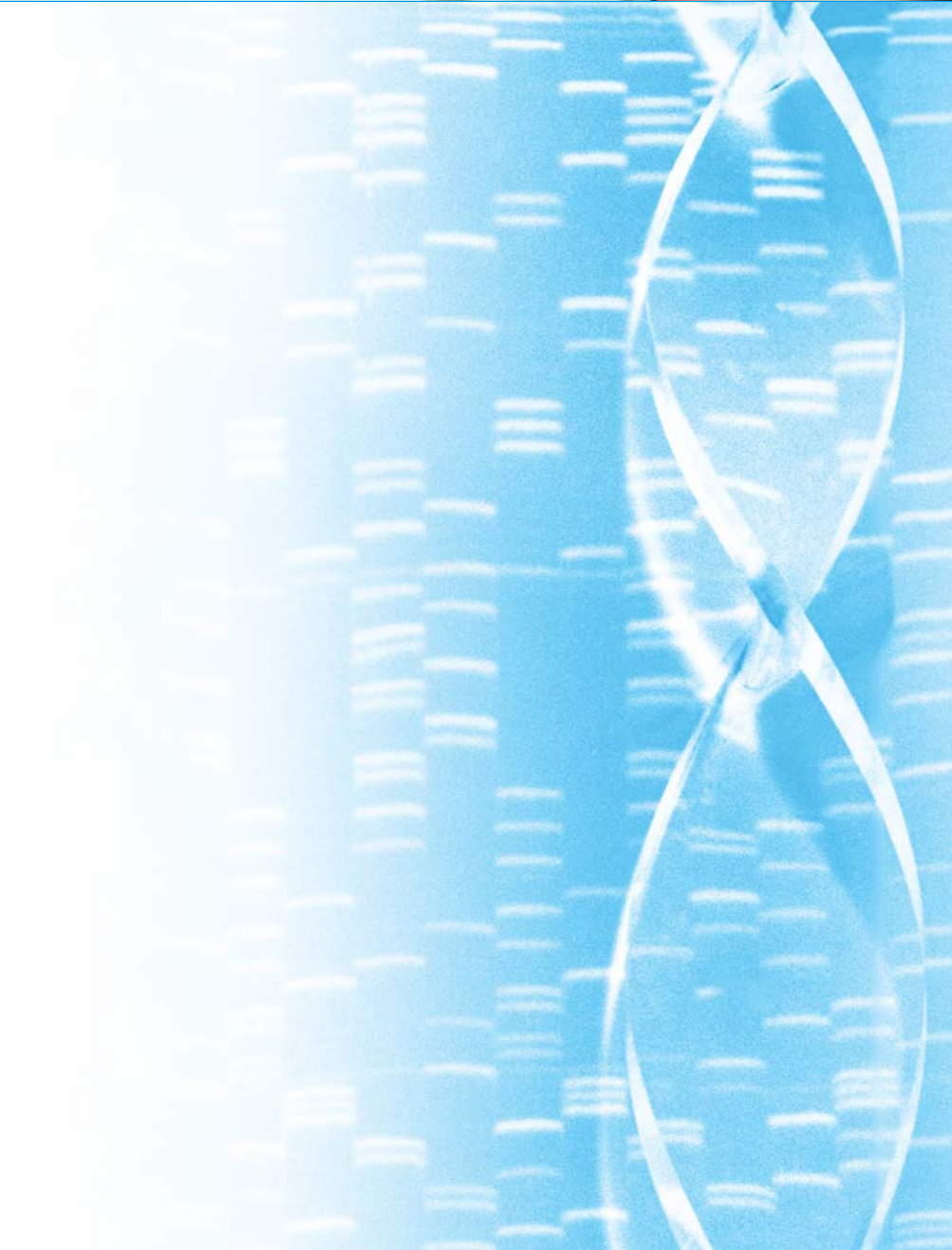


Whatman®

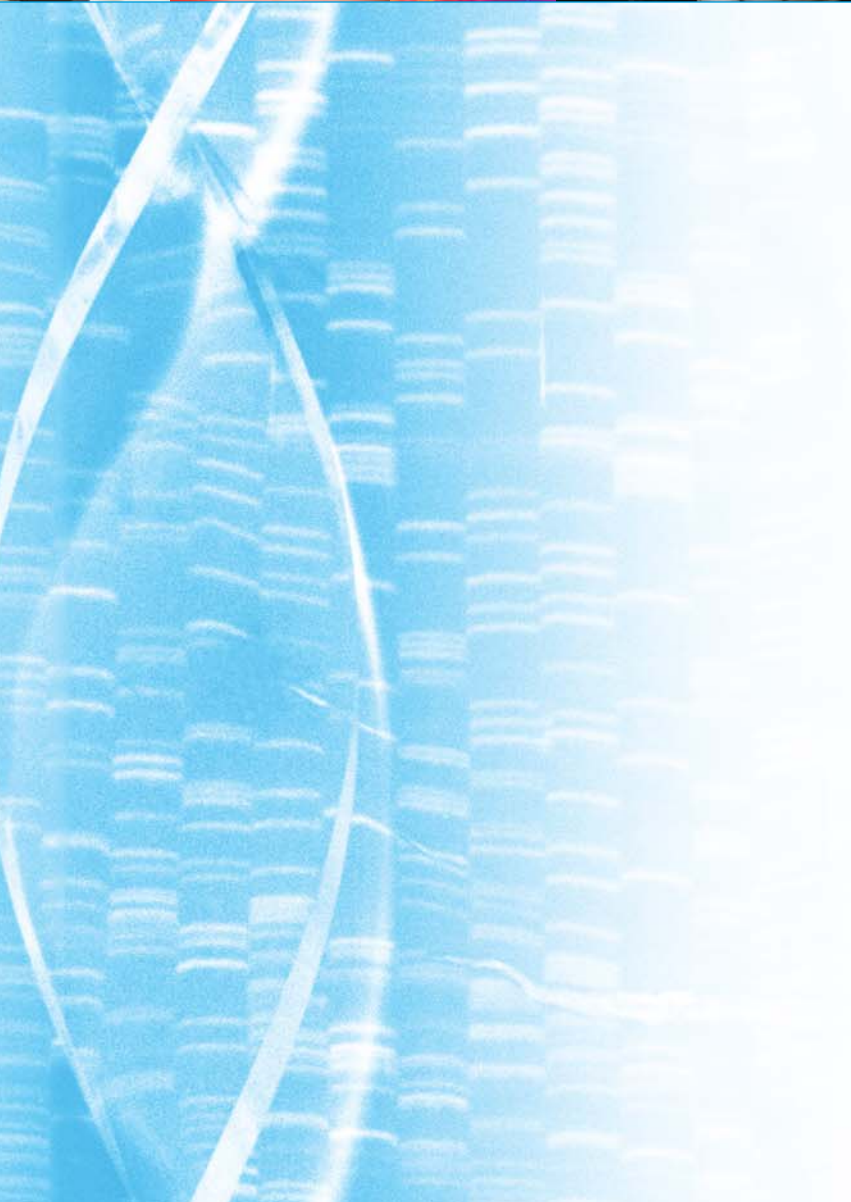


Innovative Solutions
for Forensic DNA
Collection, Archiving
and Purification.



Whatman FTA[®] Technology.

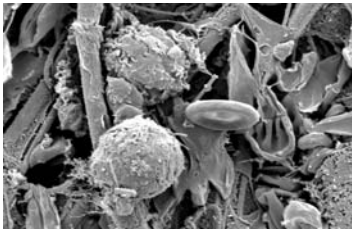
The proven choice
of forensic
labs worldwide.



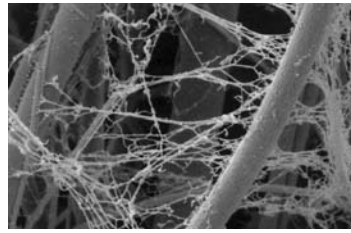
Whatman offers a complete range of FTA cards to meet every need, including customized formats for your organization.



Whatman FTA Cards are effective with both blood and buccal cell sample collection for long-term room temperature archiving.



This image shows a blood sample shortly after application to a Whatman FTA card. Proprietary FTA technology lyses cells which release DNA. Bacterial and fungal contaminants that could destroy the DNA sample are immediately inactivated, including potentially infectious pathogens that could pose a threat to lab personnel.



After a simple washing procedure, the DNA strands are clearly visible. A portion of the same FTA card used for sample collection can be used for DNA analysis. You have the option of purifying samples immediately, or storing them long-term at room temperature.

“Convenience. Stability. That’s why we continue to rely on Whatman FTA.”

Charles Barna, CODIS State Administrator,
Michigan State Police

Forensic labs around the world rely on Whatman FTA® Technology for their mission-critical forensic DNA applications. Why? Because only Whatman FTA provides a proven solution that allows you to easily collect samples, and store them reliably at room temperature for years without the risk of sample degradation. And only Whatman FTA provides an accepted methodology for purifying DNA samples in less than 30 minutes without the need for a kit.

Collect, ship and archive DNA samples safely at room temperature

Refrigeration space is limited and expensive, and all it takes is a single power outage to destroy irreplaceable DNA specimens. Whatman FTA provides a convenient alternative. DNA samples are safe and secure stored in any standard file cabinet long-term.

Products offered by competitors may look similar to FTA, but studies show that they allow samples to degrade over time at room temperature, making the DNA unusable. In fact, sample degradation often begins to occur within a matter of days. Whatman FTA is unique. Featured in over 100 scientific publications and presentations worldwide, Whatman FTA technology provides lab-tested reliability, year after year.

Case History: Michigan State Police

Application: Collecting buccal swabs with FTA cards for cataloging in CODIS database

In 2000, Michigan passed a law requiring that DNA samples be taken from all convicted felons. Law enforcement personnel are already seeing the results. Over twenty “cold cases”—cases more than 20 years old—were solved in 2002. Cases like the murder of a woman in Texas that was traced back to Rodrigo Hernandez, a 29 year old paroled inmate from the Michigan Department of Corrections. His buccal swab DNA sample was collected with a Whatman FTA card and submitted to the Michigan State Forensic Laboratory in Lansing. Following analysis, the DNA profile information was entered into the national CODIS database, where it matched up to the murder case in Texas. Texas authorities were not originally aware of Hernandez as a suspect, and didn’t know that he was in Texas at the time of the murder. As a result, extradition proceedings were started to try Hernandez in Texas.

A complete solution for your forensic lab.

There's simply no better way to collect, transport, archive and purify DNA samples than with Whatman FTA technology. Whether you're collecting specimens from suspects, or adding samples to a convicted offender database, Whatman FTA makes the whole process fast, easy and convenient.

Safe, convenient collection



It's safe and easy to collect whole blood samples or buccal swabs with Whatman FTA cards. Simply apply one or two drops of blood to the FTA card. For buccal cell collection, rub the sterile swab inside the cheek for about 30 seconds, then blot the swab onto the FTA card (unlike competing products, it's not necessary to insert your finger inside the suspect's mouth to collect the sample). The FTA card changes from pink to white to indicate a successful sample collection.



Non-hazardous handling and shipping

Whatman FTA cards automatically inactivate potentially harmful bacteria or viruses in blood or buccal cells, making sample handling and shipment safe for you and your staff. Samples can be sent via regular mail in pouches provided in a variety of sizes by Whatman.



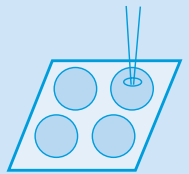
Proven long-term archiving at room temperature

Samples inside their pouches can be safely stored in any standard file cabinet or other laboratory specimen storage system for years without sample degradation. Whatman currently has more than 14 years of documented specimen storage history. When it's time to purify the DNA for downstream applications, simply remove the card from the pouch, and use a punch from the card for processing. The remainder of the card can be re-archived for future use.

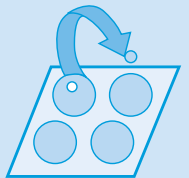
Purify DNA for downstream applications in less than 30 minutes

In addition to providing the best solution for sample collection and room temperature archiving, Whatman FTA offers the fastest, easiest solution for DNA purification. No purification kits are required. All the buffers needed for stabilizing and purifying DNA are in the FTA card.

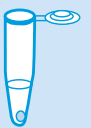
After washing with Whatman FTA purification reagent, DNA can either be analyzed immediately while on the paper or can be eluted with a simple method. FTA card punches placed in a 96-well plate can be washed and processed automatically using any available liquid handling robot. Automated punching systems are available through BSD Technologies. Whatman FTA cards are compatible with any DNA extraction protocol used in forensic laboratories.



Spot



Punch



Purify

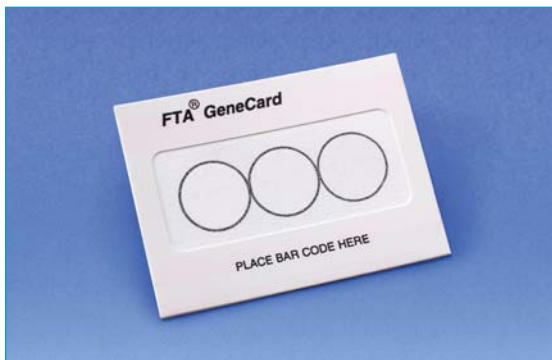
A range of FTA product configurations to meet your needs.



Whatman FTA® Micro Card & Indicating FTA® Micro Card



FTA® Mini Card & Indicating FTA® Mini Card



FTA® Gene Card



Harris Micro Punches (1.2 mm or 2.0 mm) and Cutting Mat

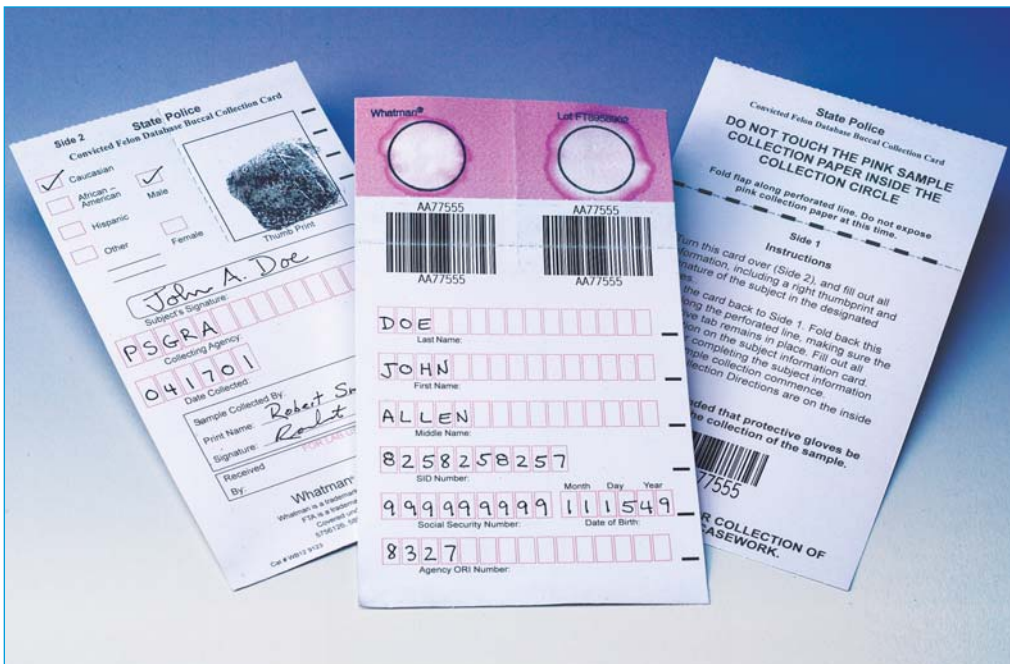


Whatman®

Customized formats available

Whatman will work closely with your organization to develop a custom FTA format to meet your needs.

Working with the Michigan State Police, Whatman developed a customized card that included all of the offender's information, including fingerprints, unique sequential barcode identifiers for tracking purposes, and dropout ink for optical character recognition (OCR). What can Whatman customize for your organization? For more details, please contact a Whatman representative.



Whatman Quality

Whatman is a global leader in separations technology and is known in the scientific community for providing innovative Life Science products and solutions. Our instinct for simplification accelerates the rate of discovery, reduces costs and saves time. In order to focus on the unique needs of our customers, Whatman is organized into four business development units: Analytical Chemistry, Diagnostics, Genomics & Proteomics and Medical Devices. For more information, visit www.whatman.com.

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