

Whatman FTA® Gene Card Tray

Automated application
of blood samples
to FTA Gene Cards.

The Whatman FTA® Gene Card Tray is designed to hold two FTA Gene Cards for manipulation through an SBS compatible automation platform, such as systems manufactured by Tecan or Beckman Coulter. The FTA Gene Card Tray enables researchers to apply blood or other liquid samples to FTA Gene Cards using an automated liquid handling system, greatly increasing sample throughput.

Features and Benefits

- **Automation and FTA—the perfect combination** Unique Whatman FTA technology provides the fastest, easiest way to collect, archive and purify DNA. Automated liquid handling makes the sample application process even easier.
- **Room temperature storage** Samples can be stored on FTA Gene Cards at room temperature indefinitely.
- **Automation eliminates need for manual pipetting** Prevents hassles and hazards associated with manual methods.
- **Reusable** Simply wash with bleach solution between samples.

Applications

- Simplify automation of sample processing on FTA Gene Cards.
- Collect, archive and purify blood samples.

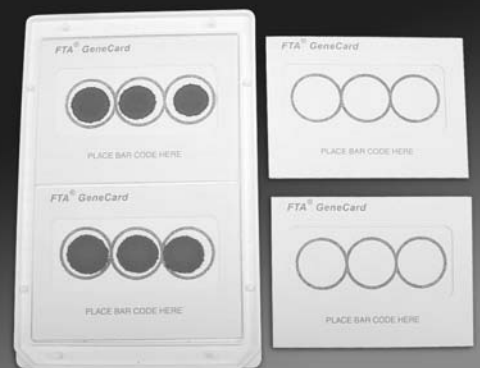
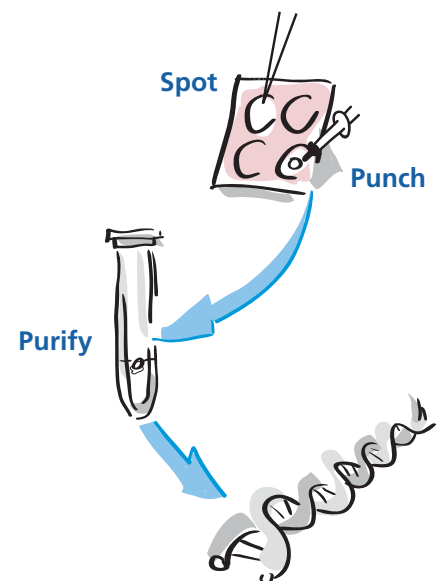


Figure 1.
Two FTA Gene Cards properly positioned in a Gene Card Tray.

Three easy steps to pure DNA



Whatman®

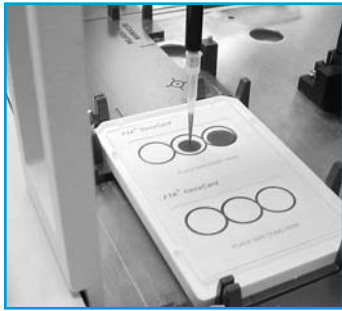


Figure 2.
Blood sample being applied to Gene Card Tray on a Biomek® 2000.



Figure 3.
Gene Card Tray being lifted on a Biomek® 2000.



FTA GENE CARD TRAY PROTOCOL OVERVIEW

1. Lay FTA® Gene Card Tray on a flat surface with the frame side up.
2. Place one FTA Gene Card in the top half of the tray horizontally. Touch only the cardboard frame (see Figure 1).
3. Place second FTA Gene Card in the bottom half of the tray.
4. Label FTA Gene Cards and/or tray with appropriate identification.
5. Load tray onto automated platform.
6. Apply up to 75 µL of blood (whole blood, EDTA, sodium citrate, ACD, or heparin anticoagulated blood) to each printed circle of each FTA Gene Card (total 225 µL per card). Apply only one blood sample to each card.
7. Remove FTA Gene Cards from tray. Do not touch the spotted sample.
8. Allow to dry completely at room temperature before sampling (do not heat assist).
9. Store bloodstained FTA Gene Cards at room temperature protected from extremes in light or humidity. Optimal stability is achieved by storing FTA Gene Cards with a desiccant in a Multi-Barrier Pouch (catalog no. WB100011).
10. To reuse the FTA Gene Card Tray, wash with 10% bleach solution. Allow it to dry prior to reuse.

FTA Gene Card

WHATMAN CATALOG ORDERING INFORMATION

Whatman Catalog Number	Cards/Pack	Sample Areas/Card	Maximum Volume/ Sample Area (µL)	Maximum Total Volume/Card (µL)
WB120208	100	3	75	225

FTA Gene Card Tray

WHATMAN CATALOG ORDERING INFORMATION

Whatman Catalog Number	Qty./Case
WB100030	20

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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