

Whatman™ FTA™ Gene Card Tray

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.

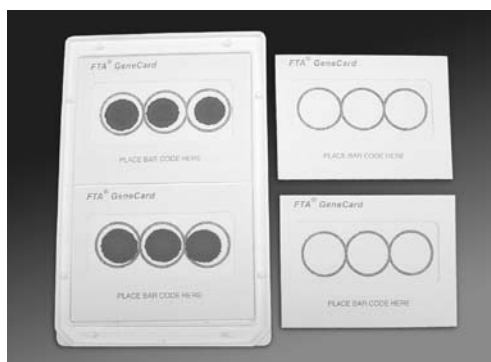


Fig 1. Two FTA Gene Cards properly positioned in a Gene Card Tray.

Features and benefits

- **Automation and FTA—the perfect combination:** Novel Whatman FTA technology, from GE Healthcare, 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.

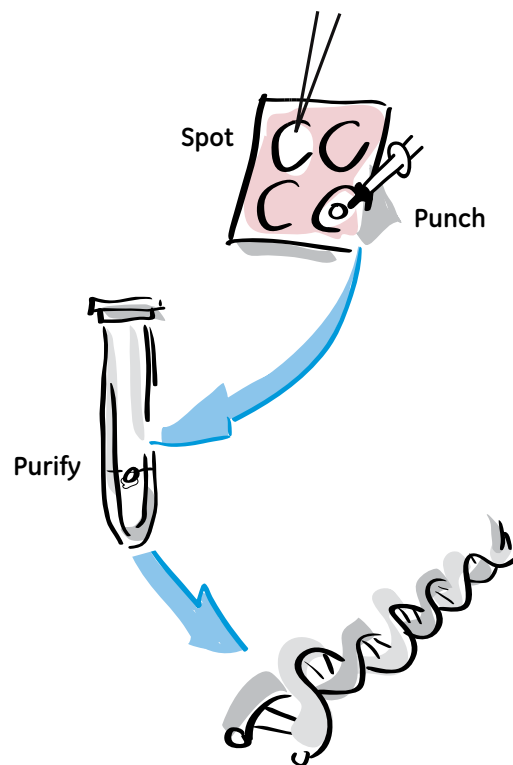


Fig 2. Three easy steps to pure DNA.





Fig 3. Blood sample being applied to Gene Card Tray on a Biomek™ 2000.



Fig 4. 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 Fig 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.

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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. WB100037).
10. To reuse the FTA Gene Card Tray, wash with 10% bleach solution. Allow it to dry prior to reuse.

Ordering information

FTA Gene card

Catalog number	Cards/ pack	Sample areas/card	Max volume/ sample area (µl)	Max total volume/card (µl)
WB120208	100	3	75	225

FTA Gene card tray

Catalog number	Qty/case
WB100030	20

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