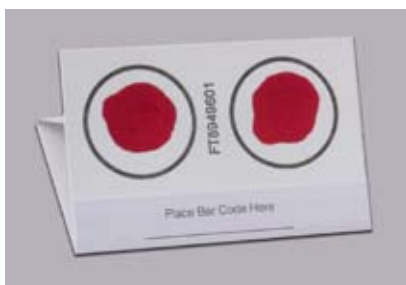


Whatman™ FTA™ for blood DNA

Whatman FTA provides a remarkably fast and easy way to prepare blood samples for DNA analysis. Simply apply a blood, bone marrow or buffy coat sample to the FTA matrix; DNA is captured and stabilized immediately, enabling indefinite room temperature storage. Analyze whenever you're ready. Ship safely and purify in 30 min. Try FTA, and you'll soon find it's an indispensable part of your DNA toolbox.



Features and benefits

- **Simple collection:** samples are applied directly to the FTA matrix.
- **Fast purification:** FTA is the fastest way to purify blood DNA for PCR testing. DNA is purified on the FTA Card in three simple steps, all in a single tube at room temperature. No toxic chemicals are required. DNA remains immobilized on the matrix, ready for PCR.
- **Fits your method:** Whether you collect whole blood, bone marrow or prepare buffy coat samples, FTA fits your method. Apply directly to FTA Cards. There's no need for further purification with time consuming incubations or phenol/chloroform methods.
- **Safe room temperature storage and shipping:** Nucleic acids are automatically stabilized without the need for refrigeration.

- **Automatable:** Automation speeds the handling of multiple FTA punches, reduces labor, increases throughput and standardizes DNA purification. Punches can easily be washed and prepared for PCR on a variety of liquid handling instruments.

Applications

- HLA typing
- Genetic identification
- Molecular screening studies
- Animal breeding studies
- Whole genome amplification

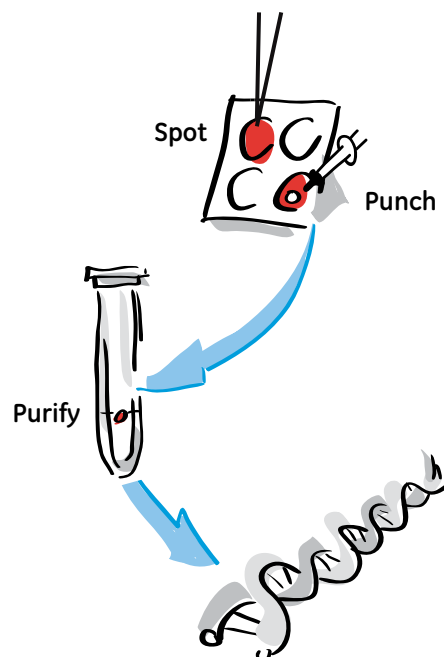
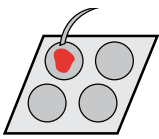


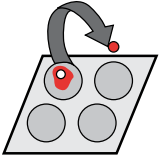
Fig 1. Three easy steps to pure DNA.





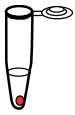
Sample application

Apply whole blood, bone marrow or buffy coat to the FTA Card. Allow to dry completely.



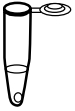
Disk removal

Punch a disk out of the sample on the FTA Card.



FTA Purification Reagent washes

Place the disk in PCR tube and wash three times with FTA Purification Reagent. Discard used reagent after each wash.



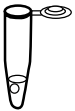
TE⁻¹ Rinses

Wash twice with TE⁻¹ buffer (10 mM Tris, 0.1 mM EDTA, pH 8.0) and discard used buffer after each wash.



Drying Step

Dry disk in PCR tube.



Direct to PCR

Add PCR master mix directly to the disk and amplify.



Ordering information

Catalog number	Description	Qty/pack
WB120067	FTA Kit	1*
WB120204	FTA Purification Reagent	500 ml
WB120205	FTA Classic Card (non-indicating)	100
WB120055	FTA Mini Card - 2 Spot (non-indicating)	100
WB120210	FTA Micro Card (non-indicating)	100
WB120208	FTA Gene Card	100
WB100005	Harris Micro Punch 1.2 mm	1
WB100006	Harris Micro Punch 1.2 mm tip	1
WB100028	Harris Uni-core 1.25 mm Punch	4
WB100036	Multi-Barrier Pouch, small	100
WB100037	Multi-Barrier Pouch, large	100
WB100025	1.2 mm Replacement Plunger	1
WB100003	Desiccant	1000
WB100020	Replacement Cutting Mat	1
WB100030	FTA Gene Card Carrier	20

* Includes: 25 FTA Micro Cards, 2 vials FTA Purification Reagent (25 ml), 2 Harris Uni-Core Punches (1.2 and 2.0 mm) with cutting mat and instructions.

Fig 2. FTA blood protocol overview

www.gelifesciences.com/whatman

GE Healthcare UK Limited
Amersham Place
Little Chalfont
Buckinghamshire, HP7 9NA, UK

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GE Healthcare Bio-Sciences AB
Björkgatan 30
751 84 Uppsala
Sweden

GE Healthcare Europe, GmbH
Munzinger Strasse 5, D-79111 Freiburg
Germany

GE Healthcare Bio-Sciences Corp.
800 Centennial Avenue
Piscataway, NJ 08855-1327
USA

GE Healthcare Japan Corporation
Sanken Bldg., 3-25-1, Hyakunincho
Shinjuku-ku, Tokyo 169-0073
Japan

