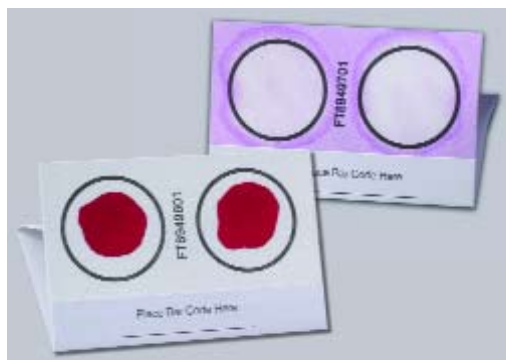


# Whatman™ FTA™ for Bacterial DNA

Whatman FTA provides a remarkably easy way to purify genomic DNA from bacteria for genetic analysis. Simply apply cultures or clinical samples to the FTA matrix and the DNA is captured and stabilized. Store samples at room temperature indefinitely, so you can 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

- **Works for a wide variety of bacterial strains:** Genomic DNA from many strains of gram negative, gram positive, spore-forming and acid-fast bacteria can be quickly isolated for PCR with little or no pretreatment.
- **Simple collection:** Apply cultures or clinical samples directly to the Indicating FTA matrix.
- **Fits your method:** Whether you apply pure cultures of bacteria or clinical samples to identify the bacteria present, FTA works for you.
- **Room temperature:** Nucleic acids are automatically stabilized without the need for refrigeration.

- **Fast purification:** DNA is purified on the FTA Card in three simple steps, all in a single tube at room temperature. DNA remains immobilized on the matrix, ready for PCR.
- **Automatable:** Automation speeds the handling of multiple FTA punches and standardizes DNA purification. Punches can be easily washed and prepared for PCR on a variety of liquid handling instruments.

## Applications

- Biosafety analysis
- Food safety analysis
- Environmental analysis
- Water/air monitoring
- Molecular identification
- Research applications

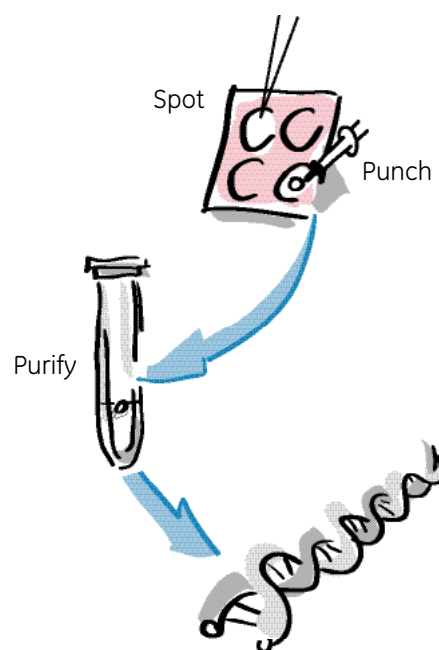
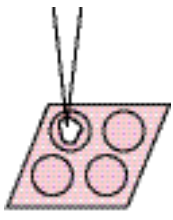


Fig 1. Three easy steps to pure DNA





### Sample application

Apply sample to the FTA Card. Allow to dry completely. If using indicating card, sample area turns pink to white to show sample location.



### 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 twice with FTA Purification Reagent. Discard used reagent after each wash.



### TE<sup>-1</sup> Rinses

Wash twice with TE<sup>-1</sup> buffer (10 mM Tris, 0.1 mM EDTA, pH 8.0) and discard used buffer after each wash.



### Drying Step

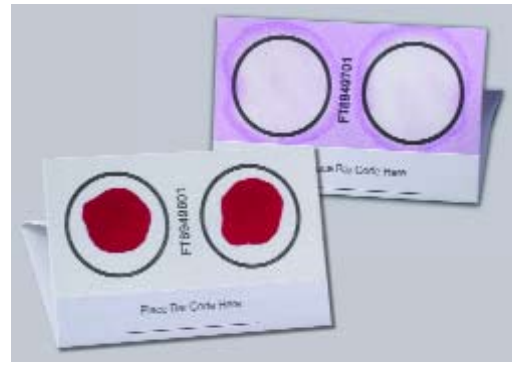
Dry disk in PCR tube.



### Direct to PCR

Add PCR master mix directly to the disk and amplify.

Fig 2. FTA bacteria DNA protocol overview.



## Ordering information

Catalog number	Description	Quantity/pack
WB120067	FTA Kit	1*
WB120204	FTA Purification Reagent	500 ml
WB120205	FTA Classic Card (non-indicating)	100
WB120206	FTA Classic Card (indicating)	100
WB120055	FTA Mini Card (non-indicating)	100
WB120056	FTA Mini Card (indicating)	100
WB120210	FTA Micro Card (non-indicating)	100
WB120211	FTA Micro Card (indicating)	100
WB100005	Harris Micro Punch™ 1.25 mm	1
WB100006	Harris Micro Punch 1.25 mm Tip	1
WB100028	Harris Uni-core 1.25 mm Punch	4
WB100036	Multibarrier Pouch (small)	100
WB100037	Multibarrier Pouch (large)	100
WB100025	1.2 mm Replacement Plunger	1
WB100003	Desiccant	1000
WB100020	Replacement Cutting Mat	1

\* 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.

[www.gelifesciences.com/whatman](http://www.gelifesciences.com/whatman)

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