

NUCLEIC ACID
SAMPLE PREPARATION

FTA for Mouse Tail DNA

Whatman FTA provides a remarkably fast and easy way to prepare mouse tail samples for DNA analysis. Simply apply a blood sample directly onto the FTA matrix; 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 minutes. Try FTA, and you'll soon find it's an indispensable part of your DNA toolbox.

FEATURES AND BENEFITS

- **Fast, versatile sample collection.** Samples are applied directly to the FTA matrix. 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.** Blood samples are applied directly to the FTA Card. No need for further purification with time consuming phenol/chloroform methods. DNA is ready for PCR in under 30 minutes.
- **Safe room temperature storage and shipping.** Collect transgenic mouse samples quickly and conveniently. Shipping samples to collaborators is easy with FTA Cards. Simply mail them.
- **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.

Collect, transport,
store and purify mouse
tail DNA.



whatman®

North America:

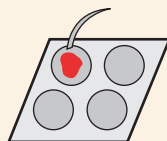
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APPLICATIONS

- Transgenic animal identification
- Animal breeding studies
- Diagnostic applications
- PCR
- SNP analysis
- Whole genome amplification



FTA MOUSE TAIL PROTOCOL OVERVIEW



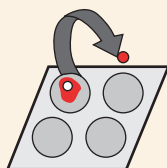
SAMPLE APPLICATION

Snip approximately 1.5 cm of mouse tail, gently squeeze to bring blood to cut surface, then spot onto FTA Card. Allow to dry completely.



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.



DISC REMOVAL

Punch a disc out of the sample area on the FTA Card.



DRYING STEP

Dry disc in PCR tube.



FTA PURIFICATION

Reagent Washes

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



DIRECT TO PCR

Add PCR master mix directly to the disc and amplify.

WHATMAN CATALOG ORDERING INFORMATION

Catalog Number	Standard Unit	Qty./Pack
WB120061	FTA Starter Pack	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
WB100007	Harris Micro Punch 2.0 mm	1
WB100008	Harris Micro Punch 2.0 mm Tip	1
WB100029	Harris Uni-core 2.0 mm Punch	4
WB100010	Multibarrier Pouch (large)	500
WB100011	Multibarrier Pouch (small)	500
WB100026	2.0 mm Replacement Plunger	1
WB100003	Desiccant	1000
WB100016	FTA Card Mailer	50
WB100020	Replacement Cutting Mat	1
WB100030	FTA Gene Card Carrier	20