

Whatman FTA® for Plant DNA

Collect, transport, store
and purify plant DNA.

Whether you're in a lab or deep in a rain forest, Whatman FTA® provides a remarkably easy way to isolate plant DNA. Simply pressing plant samples onto the FTA matrix or applying homogenate captures and stabilizes the DNA. Store indefinitely at room temperature. Ship safely. And purify in 30 minutes. Try FTA, and you'll soon find it's an indispensable part of your plant DNA toolbox.

Features and Benefits

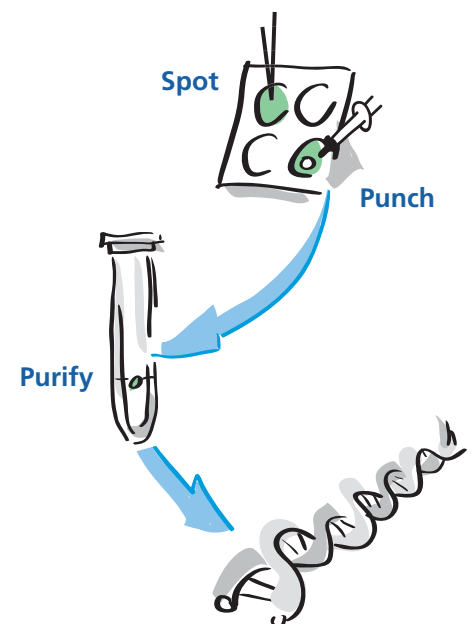
- **Simple collection in the field** Protection of nucleic acids from degradation at room temperature allows for convenient collection in the field.
- **Smaller sample size** Only young leaves are required, reducing growing time and speeding research.
- **Safe room temperature storage and shipping** Collect plant DNA samples anywhere, ship back to the lab and purify at your convenience.
- **Fast purification** PCR-ready DNA can be purified on FTA in three simple steps, all in a single tube at room temperature. If DNA is required in solution, use Whatman GenSpin Plant.
- **Automatable** Automation speeds handling of multiple FTA cards, reduces labor and standardizes DNA purification. Punches can easily be washed and prepared for PCR on a variety of liquid handling instruments.

Applications

- Analyze plant DNA by PCR-based assays
- Marker selected breeding
- Varietal identification
- Phylogeny analysis
- Amplification of low copy number loci
- Invader® assays
- Multiple displacement amplification
- Transgenic identification

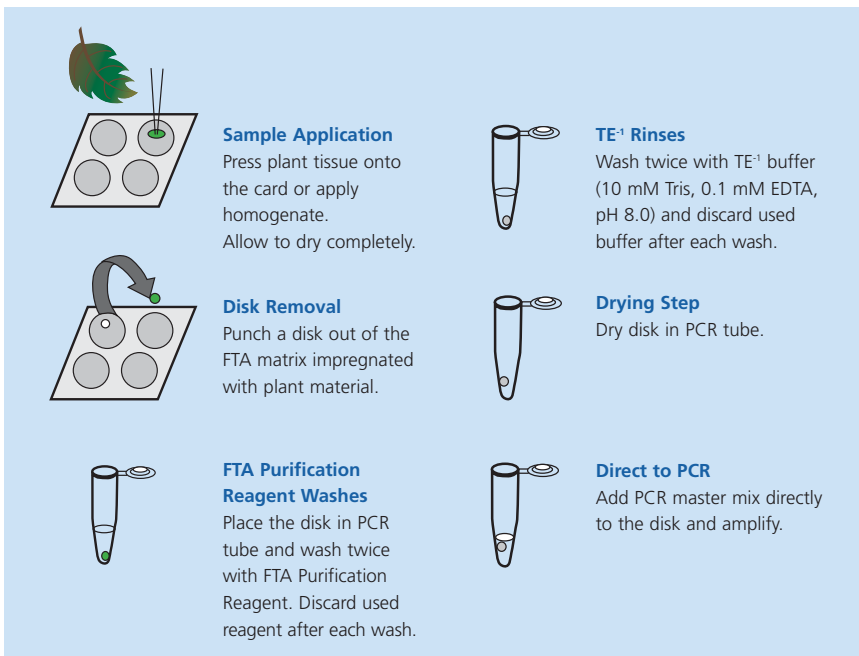


Three easy steps to pure plant DNA



Whatman®

FTA PLANT PROTOCOL OVERVIEW



Sample Application
Press plant tissue onto the card or apply homogenate.
Allow to dry completely.

Disk Removal
Punch a disk out of the FTA matrix impregnated with plant material.

FTA Purification Reagent Washes
Place the disk in PCR tube and wash twice 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.



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. For more information, visit www.whatman.com.

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Invader is a registered trademark of Third Wave Molecular Diagnostics.

WHATMAN CATALOG ORDERING INFORMATION

Whatman Catalog Number	Standard Unit	Qty./Pack
WB120065	PlantSaver Card	100
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
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
WB100010	Multibarrier Pouch (large)	500
WB100011	Multibarrier Pouch (small)	500
WB120216	FTA Gene Card/pouch/desiccant	1000
WB120217	FTA Classic Card/pouch/desiccant	1000
WB100025	1.2 mm Replacement Plunger	1
WB100003	Desiccant	1000
WB100016	FTA Card Mailer	50
WB100020	Replacement Cutting Mat	1
WB100030	FTA Gene Card Carrier	20
WB120046	GenSpin Plant Kit	50 Purifications
SWB120046	GenSpin Plant Trial Kit	5 Purifications

North America Whatman Inc.
200 Park Avenue, Suite 210
Florham Park, NJ 07932 USA
Tel: 1-800-WHATMAN
Fax: 1-973-245-8329
E-mail: info@whatman.com

Europe Whatman International Ltd
Springfield Mill, James Whatman Way
Sandling Road, Maidstone
Kent ME14 2LE UK
Tel: + 44 (0)1622 676670
Fax: + 44 (0)1622 691425
E-mail: information@whatman.com

Japan Whatman Japan KK
Kenwa Building 6F 7-15
Kudan-Minami 4-chome, Chiyoda-ku
Tokyo 102-0074 Japan
Tel: +81 (0)3 5215 1240
Fax: +81 (0)3 5215 1246
E-mail: japaninfo@whatman.com

Asia Pacific Whatman Asia Pacific Pte Ltd
171 Chin Swee Road
#08-01 San Centre
Singapore 169877
Tel: +65 6534 0138
Fax: +65 6534 2166
E-mail: wap@whatman.com



Whatman GenSpin™ Plant DNA Purification Kit

Need plant DNA in solution? This easy-to-use kit is designed for the rapid preparation of double-stranded DNA from small quantities of plant material for PCR analysis. Plant material can be homogenized at room temperature and purified in 30 minutes or less.

Whatman®

Leaders in Separations Technology
www.whatman.com