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PrepFiler Express BTA™ Forensic...



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Applied Biosystems™

PrepFiler Express BTA™ Forensic DNA Extraction Kit

This kit is for use with the AutoMate Express Forensic DNA Extraction System. It was designed specifically for challenging

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Catalog Number	No. of Reactions
4441351	52 Preps

Catalog number 4441351

Price (MDL)
-

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of Reactions: 52 Preps



This kit is for use with the AutoMate Express Forensic DNA Extraction System. It was designed specifically for challenging samples such as bones, teeth and adhesive based samples such as cigarette butts and tape lifts. We have designed the PrepFiler chemistry specifically to improve the quantity and quality of DNA isolated from forensic samples, thereby increasing the potential to obtain maximum information from downstream Short Tandem Repeat (STR) analysis.

Key Product Features:

- Designed to improve the yield and overall purity of DNA isolated from both routine and challenging forensic samples.
- Provides high quality DNA, free of PCR inhibitors and suitable for downstream applications such as quantitative real-time PCR and short tandem repeat (STR) analysis
- Simple and fast separation of substrate from lysate with the unique PrepFiler LySep Column
- Quick and easy run setup with ready-to-use pre-filled cartridges
- Closed system that minimizes the risk of contamination and transposition errors
- Processes 1 to 13 samples in a single run
- Rapid implementation with pre-validated, pre-programmed instrument protocols
- Integrated solution including novel reagents, consumables and automation to provide time saving, cost effective and reliable DNA extraction
- Improves downstream genotyping (STR) success rate and profile quality

Streamlined Off-Line Lysis

The PrepFiler Express Kits include the innovative PrepFiler LySep Column, which dramatically streamlines the off-line lysis portion of the extraction method. PrepFiler Lysis buffer or PrepFiler BTA Lysis buffer is added directly into the PrepFiler LySep Column along with the sample for incubation. Next, the PrepFiler LySep Column is quickly centrifuged which permits lysate flow through the burstable membrane while the substrate remains behind in the column. The sample tube is then simply ready to be placed on the AutoMate Express instrument. This eliminates the manual lysate and substrate transfer steps, saving time and minimizing cross contamination and sample transposition events.

For Research, Forensic, or Paternity Use Only. Not intended for any animal or human therapeutic or diagnostic use.

Specifications	
Final Product Type	Genomic DNA
For Use With (Application)	Real-Time Quantitative PCR (qPCR), PCR, Forensic Testing
For Use With (Equipment)	AutoMate Express Forensic DNA Extraction System
High-throughput Compatibility	Automated Protocols
No. of Reactions	52 Preps
Product Line	PrepFiler Express BTA
Product Type	Forensic DNA Extraction Kit
Sample Type	Blood, Bone, Buccal Samples, Cigarette Butts, Forensic Sample, Gum, Liquid Samples (e.g. Serum), Tape Lifts, Teeth, Tissue



Target	Forensic DNA
Format	Kit
Isolation Technology	Magnetic Bead
Unit Size	Each

Contents & Storage

This kit includes BTA Lysis Buffer, LySep Columns, AutoMate Express tips and a tip holder, PrepFiler Bone and Tooth Lysate Tubes, Proteinase K, PrepFiler Express cartridges, sample tubes, and elution tubes. The kit may be stored at 18 to 25°C.



Have questions about this product? Ask our AI assisted search.


This is an AI-powered search and may not always get things right. You can help us make it better with a thumbs up or down on individual answers or by selecting the "Give feedback" button. Your search history and customer login information may be retained by Thermo Fisher and processed in accordance with our [Privacy Notice](#).


Documents & Downloads

Certificates

Lot #	Certificate Type	Date	Catalog Number(s)
2605345	Certificate of Analysis	Jun 03, 2026	4441351



 2601338	Certificate of Analysis	Feb 18, 2026	4441351
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 2601337	Certificate of Analysis	Feb 04, 2026	4441351
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5 results displayed, search above for a specific certificate


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Safety Data Sheets



Scientific Resources

Vector Information

 [Reference: Optimizing Extraction Efficiency with the Automate Express™ Forensic DNA Extraction System](#)

 [Reference: Barcode Utility User Guide](#)

 [Articles & White Papers: Forensic News Article - AutoMate](#)

 [Reference: Barcode Utility](#)

 [Reference: AutoMate Express Validation Certificate](#)

 [Reference: Automated Extraction of High-Quality Genomic DNA from Forensic Evidence Samples Using a Cartridge-Based System Presentation](#)

 [Reference: Scientific Poster](#)

Application Notes

 [Forensic Tips - How Efficient is Your DNA Extraction Method](#)

Brochures



Flyers








 [Flyer: PrepFiler forensic DNA extraction kits](#)

Product Information



Manuals



-  [User Guide: PrepFiler Express™ and PrepFiler Express BTA™ Forensic DNA Extraction Kits](#)
-  [Product Sheet: PrepFiler Express BTA Forensic DNA Extraction Kit](#)
-  [User Guide: AutoMate Express Instrument](#)
-  [Quick Reference: PrepFiler and PrepFiler BTA Forensic DNA Extraction Kits](#)
-  [Quick Reference: PrepFiler Express and PrepFiler Express Forensic DNA Extraction Kits](#)

Specification Sheets



-  [Brochures & Specifications: Quick_Reference_Card](#)
-  [Brochures & Specifications: AutoMate Express Product Bulletin](#)

Product Bulletins



 [Brochure: PrepFiler Express and AutoMate Express DNA extraction systems](#)