

PrepFiler™ Automated Forensic DNA Extraction Kit

Product P/N 4397977; P/N 4393135
Insert P/N 4393018 REV B
Printed in USA



For Research, Forensic or Paternity Use Only.
Not for use in diagnostic procedures.

DESCRIPTION:

The PrepFiler™ Automated Forensic DNA Extraction Kit is designed specifically for extraction of DNA from forensic samples. The kit contains reagents necessary for lysis of cells, removal of PCR inhibitors and elution of bound DNA. Downstream applications include use in quantitative real-time PCR and PCR for use in short tandem repeat analysis (STR).

List of Kit Components* - Sufficient for 960 Tests

<u>Reagent</u>	<u>Quantity</u>	<u>Description</u>
PrepFiler™ Lysis Buffer	500 mL	1 bottle of Lysis Buffer containing guanidine thiocyanate, harmful. Store at Ambient.
PrepFiler™ Wash Buffer Concentrate	500 mL	1 bottle of Wash Buffer Concentrate. Mix 26 mL of wash buffer concentrate with 74 mL of ethanol in a separate clean container before use. Store at Ambient.
PrepFiler™ Elution Buffer	125 mL	1 bottle of Elution Buffer. Store at Ambient.
PrepFiler™ Magnetic Particles	1.5 mL	13 tubes of Magnetic Particles, containing guanidine thiocyanate, harmful. Store at 2° to 8° C
PrepFiler™ 96-Well Spin Plate and Filter Plate	10/ea	10 sets of 96-Well Spin Plate and Filter Plate provided only with part number 4397977. Used for removal of swabs, fabric, and other material from the Lysis Buffer. Store at Ambient.
PrepFiler™ 96-Well Processing Plate	10/ea	10 of 96-Well Processing Plate provided only with part number 4397977. Store at Ambient.

* P/N 4397977 contains all parts listed. P/N 4393135 contains PrepFiler™ Lysis Buffer, Wash Buffer Concentrate, Elution Buffer, and Magnetic Particles only.

Caution: PrepFiler™ Lysis Buffer, and PrepFiler™ Magnetic Particles contain guanidine thiocyanate, read MSDS for safety information.

Required Materials - Not Included

<u>Material</u>	<u>P/N</u>	<u>Description</u>
PrepFiler™ Forensic DNA Extraction Kit User Guide	4390932	The <i>PrepFiler™ Forensic DNA Extraction Kit User Guide</i> contains all the necessary protocols and validation information for use with the PrepFiler™ Forensic DNA Extraction Kit.
PrepFiler™ Forensic DNA Extraction Kit Automation Getting Started Guide	4393917	The <i>PrepFiler™ Forensic DNA Extraction Kit Automated Getting Started Guide</i> contains general overview, procedures, and workflows for automating the PrepFiler™ Kit on liquid handling platforms.
96 well Magnetic-Ring Stand	AM10050	The Magnetic Stand is used for paramagnetic bead precipitation from 96 well U-bottom microplates.
Ethanol	Sigma-Aldrich Part Number E7148	Molecular biology grade, 190 proof
Isopropanol	Sigma-Aldrich Part Number 190764	ACS reagent grade, ≥99.5%
DL-Dithiothreitol	Sigma-Aldrich Part Number D9779	Molecular biology grade; ≥98% (TLC), ≥99% (titration)
MicroAmp™ Optical 96-Well Reaction Plate with Barcode	4306737	The MicroAmp™ Plates are used for elution of DNA.
MicroAmp™ Optical 8-Cap Strip	4323032	MicroAmp™ Strips are designed to fit on MicroAmp® 96-Well Reaction Plates.
MicroAmp™ Clear Adhesive Films	4306311	The MicroAmp™ Clear Adhesive Films are used to seal top of the PrepFiler™ 96-Well Filter Plate.

Performance Characteristics

The PrepFiler™ Forensic DNA Extraction Kits are developed and manufactured by Applied Biosystems. The PrepFiler™ Forensic DNA Extraction Kit is designed to isolate DNA from forensic samples when strict adherence to the procedures detailed in the *PrepFiler™ Forensic DNA Extraction Kit User Guide (PN 4390932)* are followed. The User Guide can be purchased separately or downloaded from the Applied Biosystems website: <http://www.appliedbiosystems.com>.

FOR MORE INFORMATION, VISIT OUR WEBSITE: <http://www.appliedbiosystems.com>

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