

Introducing a protocol enabling variable elution volumes with the AutoMate Express System

Discover a new innovation designed to increase your chances of obtaining successful STR profiles from challenging samples

As a forensic scientist, you face several hurdles in extracting DNA from challenging samples. To help increase your chances of obtaining successful STR profiles, you'll often need to obtain either more or less concentrated DNA. For samples with low amounts of DNA, lower elution volumes provide higher DNA concentrations to help obtain the maximum information from STR analysis. In samples with high amounts of DNA, such as sexual assault case samples, higher elution volumes can automatically dilute samples for downstream analysis.

We're pleased to introduce an automated solution offering a high level of sensitivity and flexibility: the new Applied Biosystems™ AutoMate™ Express™ Forensic DNA Extraction System IC Protocol Card with updated protocol scripts, enabling a total of 7 elution volumes on our Applied Biosystems™ AutoMate™ Express™ Forensic DNA Extraction System. Using the new protocol with blood and buccal samples, we've obtained excellent and consistent STR profile quality at different elution volumes.



Key features

- Maximizes the chance of obtaining an interpretable STR profile from challenging samples
- The greatest range of elution volumes on the market: with 7 elution volumes from 20 to 250 μL (Figure 1)
- Multiple elution volume options allow modulation of final DNA concentration

See more features on the other side of the flyer.

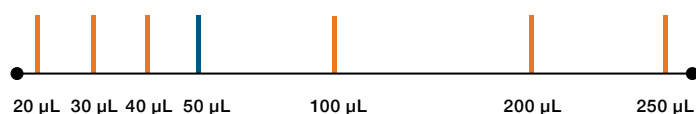


Figure 1. Increased flexibility from 1 fixed to 7 variable elution volumes.

More features of the new AutoMate Express Forensic DNA Extraction System IC Protocol Card

- Less time-consuming and more consistent than manual extraction
- Works for both Applied Biosystems™ PrepFiler™ Express standard and BTA protocols
- Improved STR peak heights with lower elution volumes and higher concentration

Ordering information

Product	Cat. No.
AutoMate Express Forensic DNA Extraction System	4441763
AutoMate Express Forensic DNA Extraction System IC Protocol Card	A33682

To learn more or place an order, contact your sales representative:

Find out more at thermofisher.com/hid

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