

Technical Information

Investigator® STAR™ Lyse&Prep Kit

A superior-quality magnetic bead kit for high-throughput sample preparation from forensic casework samples

Modern forensic laboratories are faced with the challenge of expanding throughput to meet increasing demand, while maintaining the highest possible success rates and quality standards. The Investigator STAR Lyse&Prep Kit is designed to address this need. The kit, based on QIAGEN's leading magnetic-bead chemistry, is designed specifically for high-throughput sample prep on open liquid-handling systems, and offers several unique features:

- High-throughput DNA purification from forensic and human identity samples
- Kit format designed to align with high-quantity batching, maximizing kit usage and minimizing cost
- Trusted QIAGEN bead technology
- Production according to ISO 18385
- Compatible with third party open DNA extraction platforms

The Investigator STAR Lyse&Prep Kit consists of all components needed for sample lysis and purification. The simple but very effective 'bind, wash, elute' magnetic bead workflow (Figure 1) ensures highly reproducible and sensitive recovery of clean, PCR-ready DNA, from a wide range of forensic samples, suitable for direct use in downstream applications, such as STR analysis (Figure 2). Input volumes can be adjusted to accommodate a larger lysis volume for larger samples and use of the Investigator Lyse&Spin Basket Kit. ▶

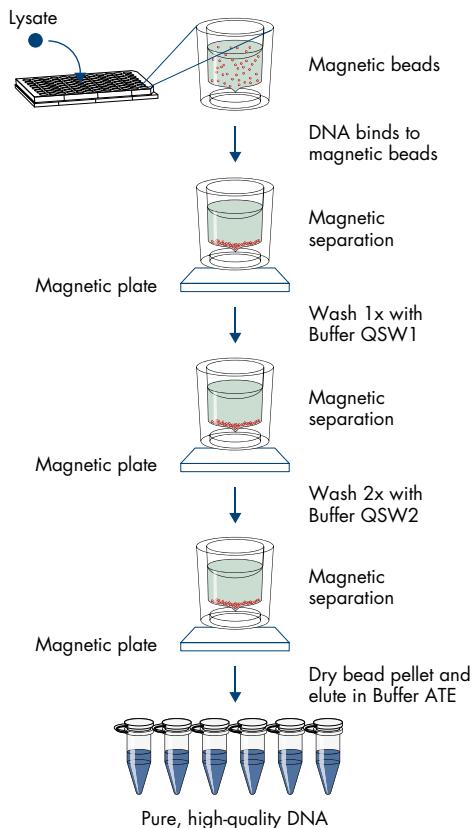


Figure 1. Schematic procedure of the sample prep workflow using the Investigator Lyse&Prep Kit on an open DNA extraction platform.

Table 1. Technical information

Sample input volume (lysis volume)	300 µl or 500 µl
Instrument	Open DNA extraction from third party suppliers such as Hamilton, TECAN, or others

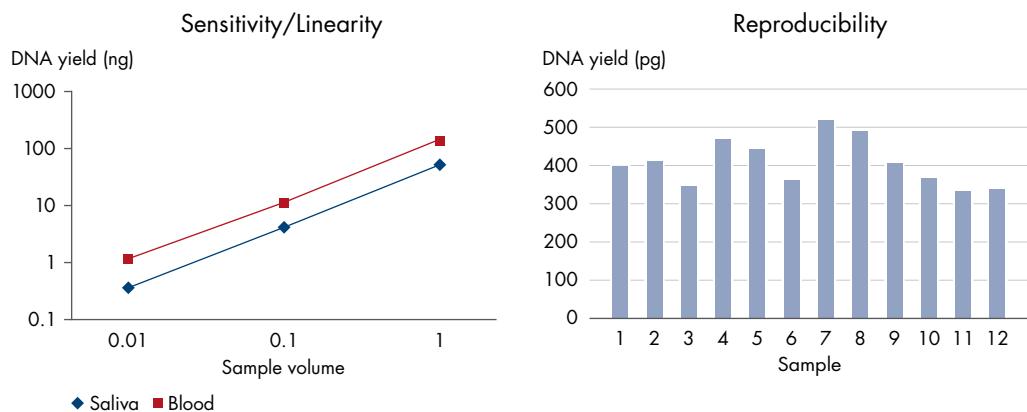


Figure 2. Sensitivity and reproducibility of the Investigator STAR Lyse&Prep Kit. Data was generated using the 300 μ l protocol on the Hamilton® STAR Instrument.

Ordering Information

Product	Contents	Cat. no.
Investigator STAR Lyse&Prep Kit (400)*	Buffer ATL, Buffer QSL3, Buffer QSW1, Buffer QSW2, Bead Suspension G, Buffer ATE, Proteinase K, Carrier RNA, Q-Card	931447
Investigator Lyse&Spin Basket Kit (50)*	50 pouches containing 50 baskets and 100 collection tubes	19597

* Larger kit size available.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

The Investigator STAR Lyse&Prep Kit is manufactured in alignment with the ISO 18385 standard.

Learn more about our high-throughput sample preparation for human identity and forensic testing at www.qiagen.com/product-categories/human-id-and-forensics/.

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