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Intended Purpose:

For rapid and effective DNA extraction for subsequent molecular biological analysis, including Real-Time PCR.

Sample Types:

- saliva, urine
- spinal fluid, prostatic fluid
- swabs and scrapes from genitourinary system, oropharynx, conjunctiva, erosive and ulcerative lesions

Kit contains reagents for 100 extractions.

Target Group and Scope:

The kit is intended solely for in vitro use by trained personnel in accordance with GLP (Good Laboratory Practice) guidelines.

Designed for rapid and effective DNA extraction for further molecular biological analysis.

The Principle:

The Rapid DNA Extraction Kit is based on rapid thermal lysis.

Performance:

Expected genomic DNA yield varies depending on sample type and quantity.

Extraction efficiency is not less than 80 %.

Inhibition of downstream analyses


- Residual wash buffer in DNA → remove completely, dry correctly.

DNA degradation

- Repeated freeze–thaw cycles → avoid, use fresh preparations.
- Incorrect storage → store according to instructions.

Test Procedure:

1. Sample preparation (incl. heating block to + 95 °C)
2. Extraction
 - Add kit components
 - Add samples
 - Lysis: 5 min at + 95 °C

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- Precipitation / clarification: 2 min at RT + 1 min at 13,000 rpm
- Storage: before reuse, vortex and centrifuge 1 min at 13,000 rpm

Safety Information:

Hazard Statements



Lysis Buffer (LB), Transport Medium (TM-E), Negative Control (NC)



Biosafety Level 2 procedures must be followed when extracting clinical samples with the Rapid DNA Extraction Kit. Human blood, blood products, body fluids, and tissues must always be handled as potentially infectious.

Shelf Life and Storage:

- Shelf life: 12 months.
- Kit expiry date: on outer box.
- Component expiry dates: on individual labels.

Storage:

- Store in original packaging at + 2 to + 8 °C.
- Storage at + 25 °C permitted for up to 7 days.
- Keep dry and protected from direct sunlight.
- Keep away from incompatible substances.
- Store in a cool, well-ventilated area.

For more information, please refer to the Instructions for Use (IFU) and Safety Data Sheets (MSDS)