

	Formblatt (FB 05-11) Product Information Sheet Multi DNA Extraction Kit, REF: 80-01	Anlage zu Kapitel 5 Versions-Nr. 01	Seite 1
---	--	--	---------

Version: 01_2026

Intended Purpose:

Rapid and effective DNA extraction for subsequent nucleic acid amplification (including real time PCR).

Sample Types:

- Serum / plasma
- Whole blood
- Dried blood spots (DBS)
- Saliva
- Urine
- Urethral swabs
- Endocervical and vaginal smears

Kit contains reagents for 96 extractions.

Target Group and Scope:

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

Designed for rapid and efficient DNA extraction for subsequent nucleic acid amplification.

The Principle:

The Multi DNA Extraction Kit is based on guanidinium thiocyanate lysis, followed by alcohol precipitation.

Performance:

Expected genomic DNA yield varies depending on the amount and type of starting material.

Extraction efficiency is not less than 80 %.

Low DNA Yield

- Sample volume too high → do not exceed recommended volumes.
- Sample old/degraded → store properly, use fresh samples.
- Incomplete lysis → warm lysis buffer, fully dissolve precipitate.
- Pellet not fully dissolved → avoid overdrying.

Inhibition of Downstream Analyses

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

	Formblatt (FB 05-11) Product Information Sheet Multi DNA Extraction Kit, REF: 80-01	Anlage zu Kapitel 5 Versions-Nr. 01	Seite 2
---	--	--	---------

Version: 01_2026

DNA Degradation

- Repeated freeze–thaw cycles → avoid, use fresh preparations immediately.
- Incorrect storage conditions → store samples and components as instructed.

Test Procedure:

1. Sample preparation (Detailed instructions for each sample type in the IFU)
2. Process preparation (incl. preheating the heating block to + 75 °C and checking the lysis buffer for precipitation)
 - Addition of samples
 - Lysis (including 15 min incubation at + 75 °C)
 - Precipitation
 - Washing (3 min at 13,000 rpm; dry 3–5 min at room temperature)
 - Elution
 - Storage

Note: For DNA extraction from dried blood spots, refer to the IFU.

Safety Information:

Hazard Statements



Lysis buffer (LB)



Elution Buffer (EB) and Negative Control (NC)



DNA Precipitation Solution (PS) and Wash Buffer (WASH)



During DNA extraction from dried blood spots



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

	Formblatt (FB 05-11) Product Information Sheet Multi DNA Extraction Kit, REF: 80-01	Anlage zu Kapitel 5 Versions-Nr. 01	Seite 3
---	--	--	---------

Version: 01_2026

Shelf Life and Storage:

- Shelf life: 12 months.
- Kit expiry date: indicated on the box label.
- Component expiry dates: indicated on each component label.

Storage:

- Store in original packaging at + 2 to + 8 °C.
- Storage at +25 °C permitted for a maximum of 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)