

 ASTRA BIOTECH	Formblatt (FB 05-11) Product Information Sheet Magnetic Plus DNA / RNA Auto Extraction Kit, REF: 80-09-P1	Anlage zu Kapitel 5 Versions-Nr. 01	Seite 1
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Intended Purpose:

Suitable for the simultaneous isolation of viral, bacterial, and human DNA / RNA.

Sample Types:

- Nasopharyngeal / oropharyngeal / buccal swabs
- Clinical samples of plasma, whole blood
- Dried blood spots (DBS)
- Urine
- Leukocyte fraction
- Mucous membranes of the urogenital tract (urethra, cervical canal and vagina)
- Saliva
- Bronchial lavage (bronchoalveolar lavage)
- Cerebrospinal fluid, fecal matter, amniotic fluid, cell cultures

Compatible with KingFisher™ Flex and Auto Pure 96. Purified nucleic acids are suitable for real time PCR and RT PCR.

The 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 guidelines (Good Laboratory Practice).

Designed for the simultaneous isolation of viral, bacterial, and human DNA / RNA.

The Principle:

The Magnetic Plus DNA / RNA Auto Extraction Kit (Form P1) is based on principle of guanidine thiocyanate cell lysis and subsequent sorption of nucleic acids on surface of magnetic beads, followed by washing steps and elution of purified nucleic acids.

Performance:

Expected DNA / RNA yield may vary depending on sample quality.

Extraction efficiency is at least 85 %.

Old or degraded samples:

- Store samples properly.
- Use fresh samples.

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Degraded DNA / RNA:

- Avoid repeated freeze–thaw cycles.
- Use fresh nucleic acids immediately or aliquot them.
- Follow recommended storage conditions.
- Store samples and reagents at appropriate temperatures.

Test Procedure:

1. Preparation

- Prepare Deep Well plates
- Prepare lysis buffer
- Add samples
- Add kit components

2. DNA / RNA Extraction – Automated Systems (KingFisher™, Auto Pure 96)

- Select program file (available upon request to the purchaser)
- Prepare the instrument and assign plate positions on the carousel
- Start and run the device according to the user manual

Safety Information:

Hazard Statements



Lysis buffer (LB MBS)



Wash solution (WS1, WS2)



Lysis buffer (LB MBS), Wash solution (WS1, WS2)

Shelf Life and Storage:

- Shelf-life: 24 months.
- Kit expiry date: indicated on the box label.
- Component expiry dates: indicated on each component label.

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Storage:

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

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