



DNA & RNA Isolation Kits

The list of KleverLab products for nucleic acid purification includes kits based on magnetic bead, spin column, or co-precipitation technologies. These kits allow for the purification of DNA/RNA both in manual mode (using a magnetic rack or centrifuge for 1.5–2.0 mL single tubes) and in automated mode using the most popular robotic stations (KingFisher Maelstrom, Allsheng, etc.). The NA recovery rate depends on the sample type and is typically greater than 75%. Isolated nucleic acids are suitable for further molecular biological studies, including qPCR and RT-PCR.

Benefits:

- NA extraction purity $A_{260}/A_{280} \sim 1.7\text{-}2.2^*$
- NA recovery > 75%*
- Validated according to ISO 13485

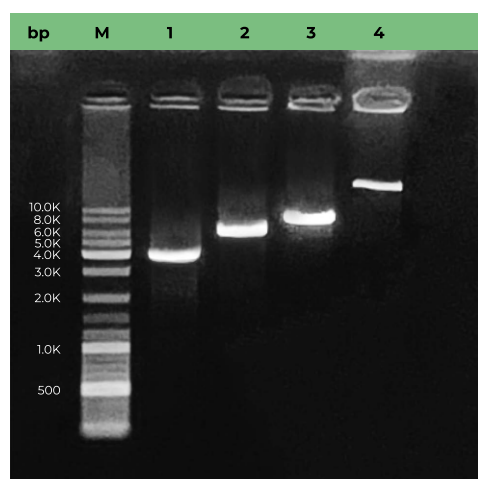
**depending on the sample*

Storage condition:

- RT (< +25°C) – 1 year

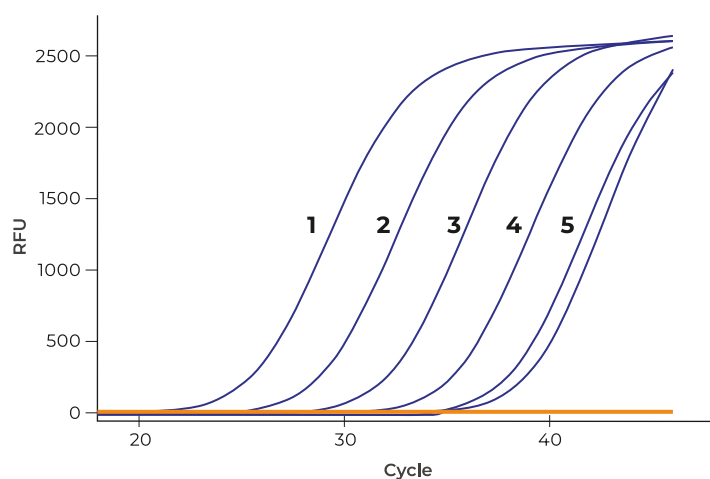
Efficiency of the SciMag Genomic DNA Isolation Kit in DNA isolation from human blood and plasma

Figure 1. PCR amplification of β -globin gene fragments (3.8, 5.8, 7.5 and 10 kbp) from the isolate purified from human blood.



line 1 – an amplicon of 3.8 kbp
line 2 – an amplicon of 5.8 kbp
line 3 – an amplicon of 7.5 kbp
line 4 – an amplicon of 10 kbp

Figure 2. Successful PCR amplification of Cytomegalovirus. DNA isolated from CMV Verification Panel (Exact Diagnostic, USA). Initial virus concentration in plasma is 4×10^2 – 4×10^6 IU/ml



1 – 4×10^6 IU/ml	4 – 4×10^3 IU/ml
2 – 4×10^5 IU/ml	5 – 4×10^2 IU/ml
3 – 4×10^4 IU/ml	

Product code	Product name	Technology	NA type	Number of samples	Handling	Compatible instruments	Format	Sample type
RKI-SMG-50	SciMag Genomic DNA Isolation Kit	Magnetic beads	Genomic DNA	50	Manual/Auto	All types of automatic stations	Bottles	Blood
RKI-SMG-250	SciMag Genomic DNA Isolation Kit	Magnetic beads	Genomic DNA	5 x 50	Manual/Auto	All types of automatic stations	Bottles	Blood
RKI-SMP-50	SciMag Plasmid Mini Isolation Kit	Magnetic beads	Plasmid DNA	50	Manual	-	Bottles	<i>Escherichia coli</i> cells
RKI-SMP-250	SciMag Plasmid Mini Isolation Kit	Magnetic beads	Plasmid DNA	5 x 50	Manual	-	Bottles	<i>Escherichia coli</i> cells
RKI-PMS-E-100	PuriMag S Total DNA/RNA Isolation Kit. Version E	Magnetic beads	Total DNA/RNA	100	Manual/Auto	All types of automatic stations	Bottles	• Mucosal swabs, scrapes, smears, urine etc.
RKI-PMS-M-64P	PuriMag S Total DNA/RNA Isolation Kit. Prefilled Plates	Magnetic beads	Total DNA/RNA	64	Auto	Auto-Pure Mini and analogs	96-well plates	
RKI-PMS-KF-96P	PuriMag S Total DNA/RNA Isolation Kit. Prefilled Plates	Magnetic beads	Total DNA/RNA	96	Auto	KingFisher Flex and analogs	96-well plates	
RKI-PMP-E-100	PuriMag P Total DNA/RNA Isolation Kit. Version E	Magnetic beads	Total DNA/RNA	100	Manual/Auto	All types of automatic stations	Bottles	• Blood plasma, serum etc • Low-copy samples of mucosal swabs, scrapes, smears, urine etc.
RKI-PMP-M-64P	PuriMag P Total DNA/RNA Isolation Kit. Prefilled Plates	Magnetic beads	Total DNA/RNA	64	Auto	Auto-Pure Mini and analogs	96-well plates	
RKI-PMP-KF-96P	PuriMag P Total DNA/RNA Isolation Kit. Prefilled Plates	Magnetic beads	Total DNA/RNA	96	Auto	KingFisher Flex and analogs	96-well plates	
RKI-PMH-E-100	PuriMag H Total DNA/RNA Isolation Kit. Version E	Magnetic beads	Total DNA/RNA	100	Manual/Auto	All types of automatic stations	Bottles	• Low-copy samples of blood plasma, serum etc.
RKI-PMV-E-100	PuriVet Total DNA/RNA Isolation Kit. Version E	Magnetic beads	Total DNA/RNA	100	Manual/Auto	All types of automatic stations	Bottles	• Homogenates of muscle tissue • Whole blood, plasma / serum • Fecal swabs • Smears and mucosal swabs, saliva, urine, conjunctival discharge, cerebrospinal fluid • Arthropods • Water and feed/forage samples
RKI-PMV-M-64P	PuriVet Total DNA/RNA Isolation Kit. Prefilled Plates	Magnetic beads	Total DNA/RNA	64	Auto	Auto-Pure Mini and analogs	96-well plates	
RKI-PMV-KF-96P	PuriVet Total DNA/RNA Isolation Kit. Prefilled Plates	Magnetic beads	Total DNA/RNA	96	Auto	KingFisher Flex and analogs	96-well plates	
RKI-PSS-100	PuriSpin S Total DNA/RNA Isolation Kit	Spin column	Total DNA/RNA	100	Manual	–	Bottles	• Mucosal swabs, scrapes, smears, urine etc.
RKI-PP-100	PuriPrep Total DNA/RNA Isolation Kit	Co-precipitation	Total DNA/RNA	100	Manual	–	Bottles	• Mucosal swabs, scrapes, smears, urine etc (including low-copy samples) • Blood plasma, serum etc (including low-copy samples)



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