

Viral DNA Extraction Kit Instruction Manual

【Product Specification】 64T/Box (Pre-filled) 16T/Plate × 4plates (PANA 9600S)



【Product Usage】

The kit is intended for rapidly extracting viral DNA from serum and other liquid samples. Realizes the high-throughput processing of parallel samples. The whole operation process is safe, convenient and no need for organic reagent. The extracted nucleic acids are highly purified and in quantity, can be widely used in the fields of diagnostics, genomics research, disease detection, food safety and forensic identification, etc.

【Product Principle】

In certain conditions, the Magnetic Beads bind the negatively charged nucleic acid. The Magnetic Beads that have been bound nucleic acids are magnetized, transferred and released via the specialized magnetic rods during the process of nucleic acid extraction, which accomplish automated extraction.

【Kit Contents】

No.	Components	Specification	Quantity
1	Nucleic Acid Extraction Reagent 1	16T	4
2	Nucleic Acid Extraction Reagent 2	40mg	1
3	Nucleic Acid Extraction Reagent 3	3ml	1

【Storage & Stability】

All components of the kit should be stored at room temperature and are stable for 12 months.

【Applicable Instrument】

TIANLONG® PANA9600S Nucleic Acid Extraction Workstation and similar apparatus.

【Sample Requirements】

1. Sample type: Serum.
2. Sample Storage: Fresh or stored at 2–8°C for up to 24 hours. For long-term storage, freezing at -20°C is recommended.

【Method of Application】

1. Reagents Preparation

Nucleic Acid Extraction Reagent 2 solution Preparation: Add 3ml of Nucleic Acid Extraction Reagent 3 to Nucleic Acid Extraction Reagent 2 and mix thoroughly. The dissolved Nucleic Acid Extraction Reagent 2 solution should be stored at -20°C or not more than 6 hours at room temperature, avoid repeated freezing and thawing (no more than 5 times).

2. Automated Extraction Steps

- a. Nucleic Acid Extraction Reagent 1: Take out the plates from the kit box, turn it up and down to suspend the magnetic beads. Then remove the vacuum package, gently swing the plates to make the magnetic beads are gathered at the bottom of the wells. Please carefully tear down the aluminum foil sealing membrane to avoid liquid splash.
- b. Please follow the manual to set the protocols.

【Product Use Limitations】

1. The extraction kit is intended for clinical diagnostic samples, forensic materials and scientific research samples. The concentration and purity of its extraction product are affected by instruments and operators.
2. The extraction kit possesses a special elution buffer, which will affect the absorbance value for the UV-visible spectrophotometer. Therefore, it is not recommended to directly measuring to the concentration and purity of extraction product by UV-visible spectrophotometer.

【Product Properties Index】






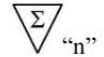




1. The extraction kit can high-efficiency extract nucleic acids from serum, plasma and other liquid samples, especially low-concentration samples.
2. The coefficient of variation (CV) of intra-assay and inter-assay for the extraction kit is less than 5%.

【Important Notes】

Please read the following notes before using the kit

- 1.The extraction kit is particular used for viral DNA isolation; therefore, all of experiment supplies, such as pipettes, tubes, tips, must be autoclaved. Operator should wear gloves and masks.
- 2.Before using the kit, please read the manual and strictly follow the protocol. Clinical samples should be processed on clean bench or in biosafety cabinet.
- 3.The prepared nucleic acid extraction reagent 2 solution should be avoiding repeated freezing and thawing.
- 4.The TIANLONG® Libex Nucleic Acid Extraction System should be disinfected by UV light before use. After the experiment, it is recommended to clean the instrument cabin using 75% ethanol and disinfecting it via UV light about 15mins.
- 5.Magnetic beads may occasionally appear in the elution buffer. If so, please avoid the magnetic beads while transferring the extracted product.
- 6.In the absence of exceptional circumstances, it is prohibited to mix the reagents from different batches.
- 7.After the experiment, all of samples and reagents must be reasonable disposed and other Instruments should be thoroughly cleaned and disinfected.

【Label】

	Do not repeated use		Manufacture
	Validity period		The range of temperature
	Batch number		Testing the volume of composition
	Product number		In vitro diagnostic medical device
	Warning:Refer to the operating instructions		European community representative

【Basic Information】



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