



Nucleic Acid Extraction Kit



(Magnetic Bead Method)



Molecular

Nucleic Acid Extraction Kit (Magnetic Bead Method)

High quality DNA / RNA applied to PCR, DNA Cloning, NGS, etc.

Our reagents can be used for nucleic acid extraction of multiple of sample type. They are pre-filled and ready-to-use which can be easily load into system to render security and ease of our end-user.



Easy operation, rapid extraction

Only one step washing

9 min for 32 samples

Extract once and get DNA and RNA meanwhile, meeting your needs for multiple index detection.

Technical parameters

Extraction kit	Sample volume	Performance	Sample type	Subsequent use	Extracted time (min)	
					EXM3000	EXM6000
Virus	200 μ L	Recovery rate $\geq 90\%$	Serum, plasma, urine, tissue fluid, swabs, secretion	qPCR, hybridization, sequencing	9	12
Whole blood	200 μ L	A260/280 ≥ 1.7	Whole blood	qPCR, hybridization, sequencing	24	28
Bacteria	200 μ L	Recovery rate $\geq 90\%$	Serum, plasma, urine, tissue fluid, swabs, secretion, cell cultures, sputum, pleural effusion	qPCR, hybridization, sequencing	12	14
Stool	200 mg	A260/280 (1.7-2.1)	Various solid or liquid stool samples	qPCR, hybridization, methylated PCR	15	19
FFPE	3~5 sections (4~10 μ m thick)	A260/280 (1.7-2.1)	Paraffin section, frozen tissue section, fresh tissue	ARMS-PCR, qPCR, sequencing	15	19
Cell-free DNA	200-5000 μ L	Recovery rate $\geq 90\%$	Serum, plasma	qPCR, high-throughput sequencing, digital PCR	25	30

*Coming soon

Efficient isolation, reliable performance

High repeatability

Good linear correlation

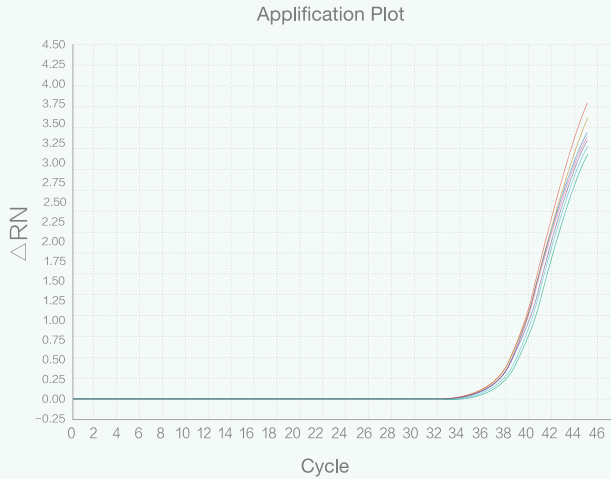


Figure 3-1 Amplification Curve of HBV Reference Material (10 IU/mL)

200 μL 10 IU/mL diluted HBV reference material from WHO (NIBSC code: 10/264) was isolated by the kit to get 50 μL analyte. The analyte was detected by HBV diagnosis kit 10 times. Positive rate is 100%, as shown in Figure 3-1

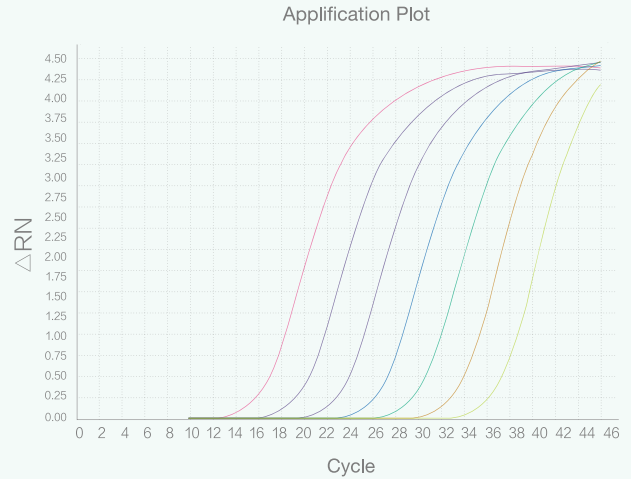


Figure 3-2 Amplification Curve of HCV Reference Material (25 IU/mL)

200 μL 25 IU/mL diluted HCV reference material (5th WHO International Standard for HCV NAT, NIBSC code: 14/150) was isolated by the kit to get 50 μL analyte. The analyte was detected by HBV diagnosis kit 10 times. Positive rate is 100%, as shown in Figure 3-2

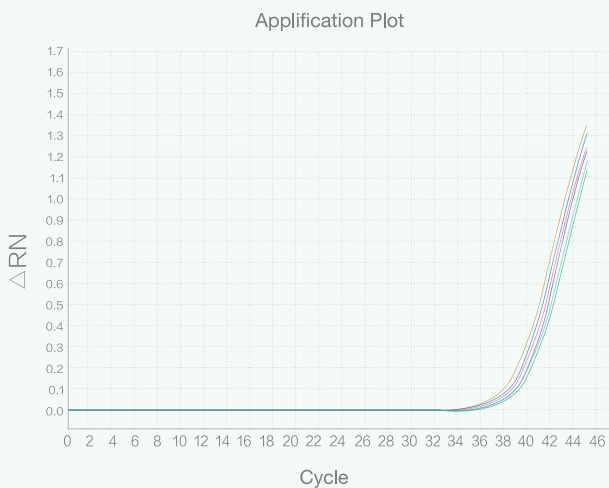


Figure 3-3 Amplification Curve of DNA Pseudoviridae

The DNA Pseudoviridae with a concentration of 5×10^8 IU/mL was diluted with negative serum to 5×10^7 IU/mL, 5×10^6 IU/mL, 5×10^5 IU/mL, 5×10^4 IU/mL, 5×10^3 IU/mL, 5×10^2 IU/mL and 50 IU/mL. They were determined after isolation. The results were shown in Figure 3-3

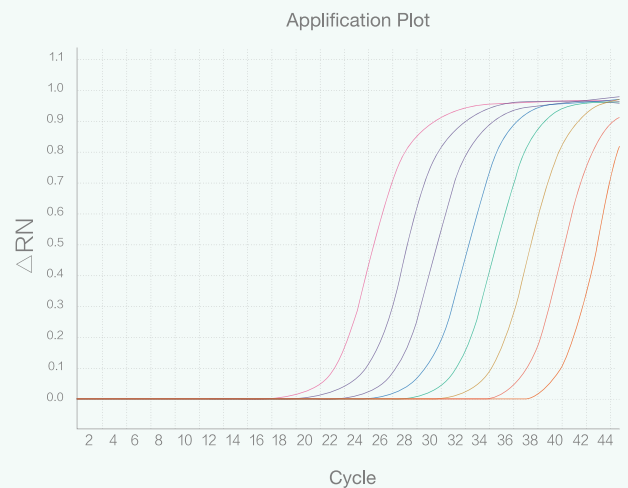
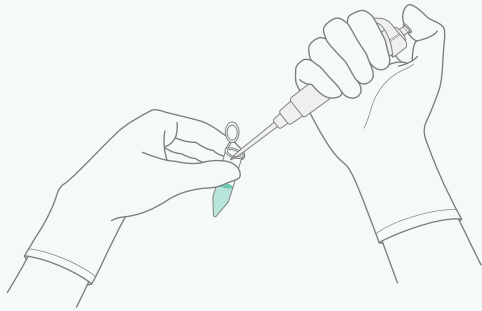


Figure 3-4 Amplification Curve of RNA Pseudoviridae

The RNA Pseudoviridae with a concentration of 5×10^7 IU/mL was diluted with negative serum to 5×10^6 IU/mL, 5×10^5 IU/mL, 5×10^4 IU/mL, 5×10^3 IU/mL, 5×10^2 IU/mL. They were determined after isolation. The results were shown in Figure 3-4

Flexible extraction method

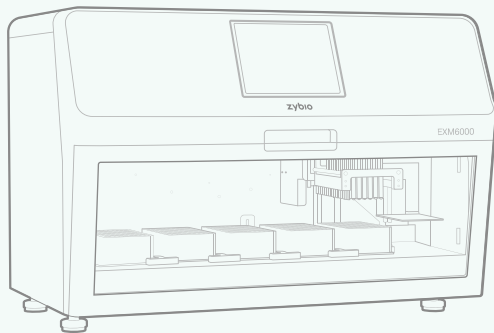
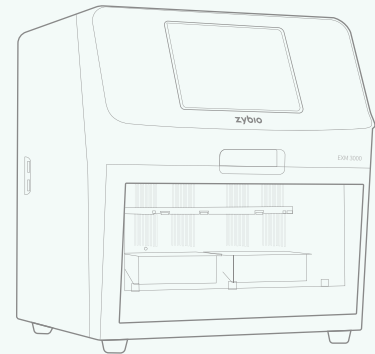


Manual Operation

Up to 16 samples for per test;
Extraction time : 10-15 min;
Only one step washing;

Nucleic Acid Isolation System EXM3000

Up to 32 samples for per test;
Extraction time : 9 min;
Prefilled and ready-to-use;

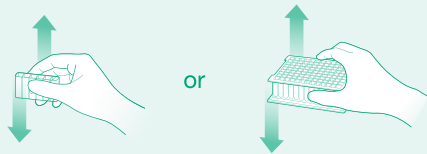


Nucleic Acid Isolation System EXM6000

Up to 96 samples for per test;
Extraction time : 12 min;
Low cross-contamination risk;

Operation with isolation system EXM3000 (B-200)

Step 1



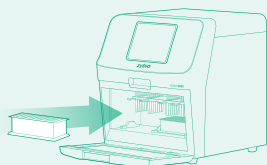
Take out all the components from the kit and mix well. Standing for 3-5 minutes to be ready for use.

Step 2



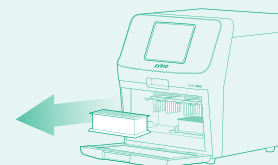
Add 15 μ L [Proteinase K] to the position A1~H1 and A7~H7 in order and then add 200 μ L sample in order.

Step 3



Loading plates and magnetic rod sleeve to isolation system and run the extraction program.

Step 4



Finishing extraction, take out plates and pipette inventory nucleic acid solution for subsequent experiment.

Application Examples

Virus Extraction Kit

- **Sexually-transmitted disease**
Gonorrhea, Genitourinary tract inflammation, Infertility, etc.
- **Respiratory virus infection**
Influenza A/B, Respiratory syncytial virus, etc.

Whole Blood Extraction Kit

- **Hereditary disease**
Down syndrome, Genetic testing for Thalassemia, etc.
- **Individualized medication guidance and metabolic genetic testing**
CYP2C19 Genetic polymorphism detection, detection for SLCO1B1 and ApoE gene

Bacteria Extraction Kit

- **Reproductive tract infection**
Group B Streptococcus, Candida albicans, etc.
- **Respiratory infection**
Staphylococcus, Aureus pneumoniae, Mycobacterium tuberculosis, Escherichia coli

Stool Extraction Kit

- **Infectious diarrhea**
Norovirus, Rotavirus, etc.
- **Hand-foot- mouth disease**
Enterovirus, etc.
- **Colorectal cancer scanning**
Exfoliative cells

FFPE Extraction Kit

- **Screening for genetic mutations in tumors**
- **Disease prognosis assessment**

Order information

Extraction kit	Model	Package Size	Catalog No.
Virus	A-200	32 T/Kit	A200-32
		96 T/Kit	A200-96
	B-200	20 T/Kit	B200-20
		32 T/Kit	B200-32
	T-200	32 T/Kit	T200-32
		96 T/Kit	T200-96
Whole blood	WB-A	32 T/Kit	WB-A-32
		96 T/Kit	WB-A-96
	WB-B	32 T/Kit	WB-B-32
		32 T/Kit	WB-T-32
	WB-T	96 T/Kit	WB-T-96
Bacteria	BF-A	32 T/Kit	BF-A-32
		96 T/Kit	BF-A-96
	BF-B	32 T/Kit	BF-B-32
		32 T/Kit	BF-T-32
	BF-T	96 T/Kit	BF-T-96
Stool	S-A	32 T/Kit	S-A-32
		96 T/Kit	S-A-96
	S-B	32 T/Kit	S-B-32
		32 T/Kit	S-T-32
	S-T	96 T/Kit	S-T-96
FFPE	FFPE-A	32 T/Kit	FFPE-A-32
		96 T/Kit	FFPE-A-96
	FFPE-B	32 T/Kit	FFPE-B-32
		32 T/Kit	FFPE-T-32
	FFPE-T	96 T/Kit	FFPE-T-96



Zybio Inc.

Address: Floor 1 to Floor 4, Building 30, No.6 of Taikang Road,
Block C of Jianqiao Industrial Park, Dadukou District, Chongqing, China 400082

Tel: +86-23 6865 5509 Fax: +86-23 6869 9779

Email: info@zybio.com Website: www.zybio.com

EN-C-FZ-Catalog-R-20201203H

Molecular