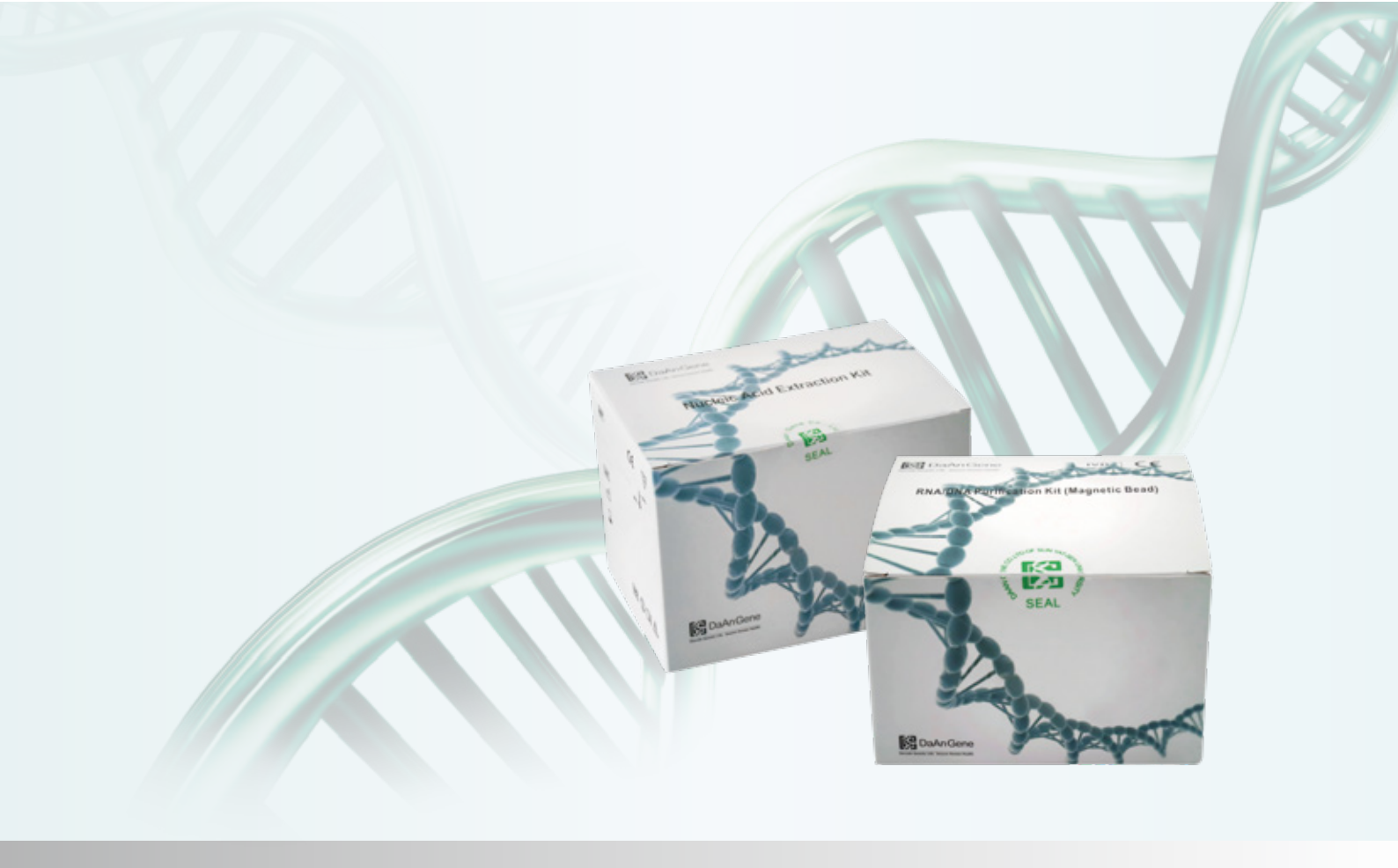


Order Information

Description	Cat.No.	Specification ( Test/Kit )	Compatible instruments	Sample type	Certificate
DA060X Nudeic Acid Extraction Kit (Magnetic Bead)	DA0600	Large package, 96 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96	Serum, plasma, whole blood, cervical exfoliated cells, sputum, bronchoalveolar lavage fluid, oropharyn- geal swab, nasopharyn- geal secretion, saliva.	CE NMPA
	DA0601	Pre-packaged, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0602	Pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0603	Pre-packaged, 96 tests/kit	Swift 96		
	DA0604	Large package, 480 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96		
DA062X Nudeic Acid Isolation or Purification Reagent (Magnetic Bead)	DA0620	Large package, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96	Blood, secretion, exfoliated cell, bone marrow, urine, fecal, sputum, bronchoalveolar lavage fluid and saliva.	CE NMPA
	DA0621	Large package, 96 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96		
	DA0622	Pre-packaged, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0623	Pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0624	Pre-packaged, 96 tests/kit	Swift 96		
	DA0625	Dual-well pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0626	Single pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
DA063X RNA/DNA Purification Kit (Magnetic Bead)	DA0630	Large package, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96	Serum, plasma, cervical exfoliated cells, throat swab, nasopharyngeal secretion, sputum and bronchoalveolar lavage fluid.	CE NMPA
	DA0631	Large package, 96 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96		
	DA0632	Pre-packaged, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0633	Pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0634	Single pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
DA064X RNA/DNA Extraction or Purification Kit (Magnetic Bead)	DA0640	Large package, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96	Whole blood, dried blood spot, tissue and paraffin- embedded tissue samples.	CE NMPA
	DA0641	Large package, 96 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96		
	DA0642	Pre-packaged, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0643	Pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
DA065X RNA/DNA Extraction or Purification Kit (Magnetic Bead)	DA0650	Pre-packaged, 20 tests/kit	Ballet X3, DA3500	whole blood, serum, plasma, exfoliated cervical cells, oropharyngeal swabs, nasopharyngeal swabs, and bone marrow.	CE NMPA
	DA0651	Pre-packaged, 48 tests/kit	Ballet X3, DA3500		

DA066X RNA/DNA Extraction or Purification Kit (Magnetic Bead)	DA0660	Pre-packaged, 20 tests/kit	Ballet X3, DA3500	whole blood, serum, plasma, exfoliated cervical cells, secretions, bone marrow, and sputum.	CE NMPA
	DA0661	Pre-packaged, 24 tests/kit	Ballet X3, DA3500		
	DA0662	Pre-packaged, 48 tests/kit	Ballet X3, DA3500		
DA087X Nucleic Acid Isolation or Purification Kit (Magnetic Bead)	DA0870	Large package, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96	Sputum, bronchoal- veolar lavage fluid, vaginal secretions, rectal secretions, vaginal-rectal secretions.	CE NMPA
	DA0871	Large package, 96 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96		
	DA0872	Pre-packaged, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA0873	Pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
DA100X Nucleic Acid Extraction Kit (Magnetic Bead)	DA1000	Large package, 96 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96	Serum, plasma, whole blood, cervical exfoliated cell, throat swab, nasopharyngeal secretion, sputum, saliva.	CE NMPA
	DA1001	Pre-packaged, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA1002	Pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA1003	Pre-packaged, 96 tests/kit	Swift 96		
	DA1004	Large package, 480 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96		
DA127X RNA/DNA Extraction or Purification Kit (Proteinase K-free)	DA1270	Large package, 96 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96	Oropharyngeal swabs, nasopharyn- geal swabs.	CE NMPA
	DA1271	Large package, 480 tests/kit	Smart 32, Smart 32 Plus, Stream SP96, Swift 96		
	DA1272	Pre-packaged, 20 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA1273	Pre-packaged, 32 tests/kit	Smart 32, Smart 32 Plus, Stream SP96		
	DA1274	Pre-packaged, 96 tests/kit	Swift 96		
	DA1275	Pre-packaged, 480 tests/kit	-		



Automatic Nucleic Acid Extraction and Purification Solutions (Magnetic Bead)

✓ DA060X DA062X DA063X DA064X DA065X  
DA066X DA087X DA100X DA127X

Daan Gene Co., Ltd.

CHINA (Headquarters)

📍 **Add.:** No.19, Xiangshan Road, Science Park, High & New Technology Development District, Guangzhou, Guangdong, P.R. China  
☎ **Tel.:** +86-20-32290789-5225  
📠 **Fax:** +86-20-32068352  
✉ **Email:** marketing@daangene.com

CANADA office

📍 **Add.:** #413-4538 Kingsway, Burnaby, BC V5H 4T9, Canada  
☎ **Tel.:** +16044517588  
📠 **Fax:** +604451.7587  
✉ **Email:** gbai@daangene.net

COLOMBIA office

📍 **Add.:** Cl 93 No.16 46 of 702, Bogotá D.C.  
☎ **Tel.:** +57 3103940417  
✉ **Email:** alonso.zheng@daangene.net

🌐 **Website:** <https://en.daangene.com/>



Extensive applications, classic and trustworthy.

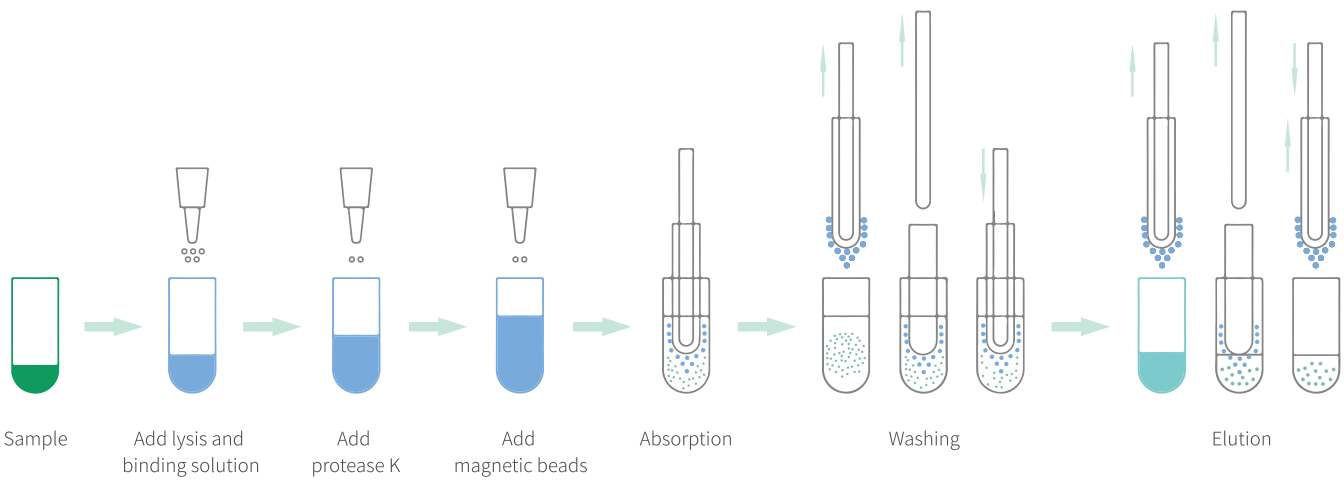
## Automatic Nucleic Acid Extraction and Purification Solutions (Magnetic Bead)

Magnetic bead is a simple and reliable method of purifying DNA/RNA. Under optimized conditions, DNA/RNA selectively binds to the surface of magnetic beads, while other contaminants stay in solution. After washing and elution, purified DNA/RNA can then be used directly in down-stream molecular biology applications.



## Principle

The nucleic acid extraction and purification is performed in four steps-lysis, binding, washing and elution. Under the action of lysis buffer, the cell is lysed and the nucleic acid is released. The released nucleic acid binds to the magnetic beads while contaminants pass through. PCR inhibitors, such as divalent cations and proteins are completely removed in wash steps, leaving pure nucleic acid to be eluted in buffer provided with the kit.



## Features



### Simple and convenient to operate

2-3 steps from sample handling to nucleic acid extraction



### Rapid and high-efficiency

Handling 96 samples within 16 minutes with magnetic bead fast extraction reagent



### Safe and non-toxic

No phenol or chloroform, environmental friendly and healthy



### Compatible with wide range of sample type

Such as whole blood, serum, plasma, all kinds of swabs, secretion, sputum, tissue, bronchoalveolar lavage fluid, dried blood spot and bone marrow samples, etc.

## Compatible Instrument



Smart 32  
Smart 32 Plus



DA3500



Stream SP96



Swift 96

## Application

### Whole-genome DNA

- Personalized drug detection
- Genetic disease Detection
- Others

### DNA Pathogens

- HBV
- HPV
- NG
- HSV
- Mpox
- Adenovirus
- Others

### RNA Pathogens

- SARS-CoV-2
- HCV
- Flu
- HIV
- RSV
- CA16, EV71
- Others

### Tumor Detection

- Tumor targeted drugs detection
- Chemotherapy drug sensitivity test
- Others

### Free DNA

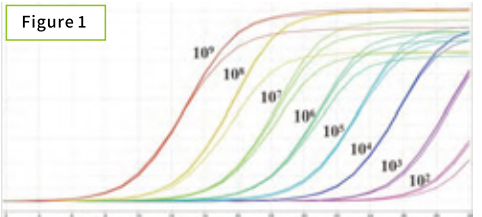
- Tumor ctDNA detection
- Non-invasive Prenatal Screening
- Others

## Performance

### High sensitivity, wide linear range

Figure 1. Extracted HBV samples nucleic acid with concentration from 100 IU/ML to 1.0E+09 IU/ML respectively with Daan nucleic acid extraction reagent kit. The samples proceed to FQ-PCR. The result shows that the amplification rate of extraction within these concentrations is highly efficient. The amplification performances for high, medium and low concentration are well.

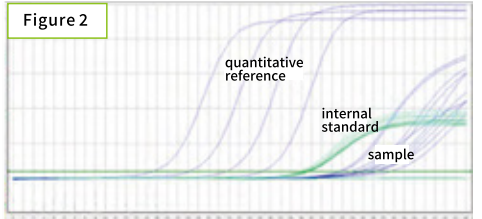
Figure 1



### High nucleic acid extraction rate, good linear correlation

Figure 2. Extracted HBV samples nucleic acid with different concentration respectively with Daan nucleic acid extraction reagent kit (extracted positive quantitative reference simultaneously). The samples proceed to FQ-PCR. The result shows that the amplification rates of samples and internal standard are similar. The reproducibility of the extracted positive quantitative reference is good with stable plateau and high linear correlation ( $R^2 > 0.9999$ ).

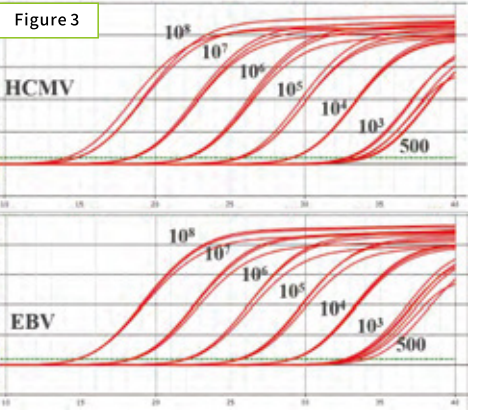
Figure 2



### Stable amplification, high repeatability of linear

Figure 3. Extracted HCMV and EBV samples nucleic acid with the concentration from 500 IU/ML to 1.0E+08 IU/ML respectively by using Daan nucleic acid extraction reagent kit, the samples proceed to FQ-PCR. The result shows that the amplification rate is stable, plateau is consistent and repeatability of linear is high.

Figure 3



High purity	The rate of OD260/OD280 is between 1.8-2.0 (human genome nucleic acid)
High acquisition rate	The recycle rate of magnetic beads is up to 99%
Good repeatability	CV less than 5%
Wide range of applications	The extracted nucleic acid meets the molecular detection requirement of PCR, probe hybridization, electrophoresis, sequencing, etc.