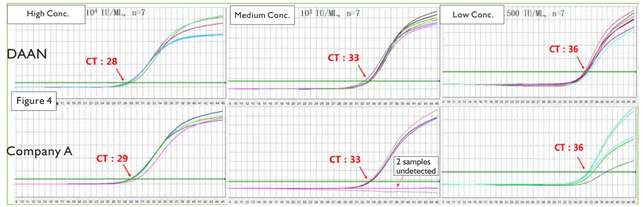
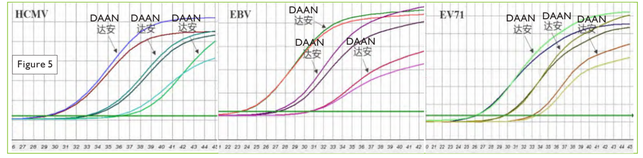
Comparable or better performance compared with similar products

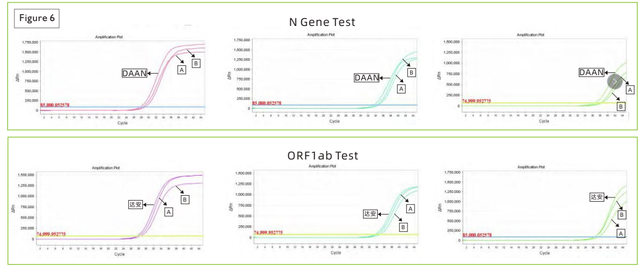
- Figure 4. Compared with product of a famous brand (Company A). The result shows that the CT values of high, medium, and low concentration extraction by using DAAN reagent kit are consistent or smaller. The repeatability is good, especially in the amplification of the medium and low concentration extracts.



- Figure 5. Comparison with extraction reagent kits of Company A. Extracted HBV, HCV, Flu, HFMD or other virus pathogens nucleic acid by using DAAN extraction reagent kits. Some of the CT values of amplification extracts are consistent, some are smaller.



- Figure 6. Comparison with 2019-nCoV fast extraction reagent kit of Company A and company B. Extracted high, medium, and low concentration of 2019-nCoV nucleic acid respectively with DAAN fast extraction reagent kit. The result shows that the CT values of amplification extracts are smaller or consistent.



Order Information

Model No./ Description	Specification (Tests/ Kit)	Sample Type	Sample Volume	Applications	Certific -ate
DA062X Nucleic Acid Isolation or Purification Reagent	20, 32, 96, 32 double hole	Serum, Plasma, Throat swab, nasopharyngeal secretion, Cervical Exfoliated Cell, etc.	200ul-600ul	Hepatitis Virus, HSV, etc.	CE, NMPA
DA063X RNA/DNA Purification Kit (Magnetic Bead)	20, 32, 96	Serum, Plasma, Throat swab, nasopharyngeal secretion, Cervical Exfoliated Cell, etc.	200ul-400ul	HCV, Flu, etc.	CE, NMPA
DA065X Nucleic Acid Isolation or Purification Reagent (Hypersensitive)	20, 48	Serum, Plasma	600ul-2000ul	HBV, HCV, HIV	NMPA
DA090X Nucleic Acid Isolation or Purification Reagentt (Whole blood)	32 double hole	Whole blood	600ul	EBV, HCMV, HPV, etc.	NMPA

DaAnGene

www.en.daangene.com

CHINA(Headquarters)
Daan Gene Co., Ltd.
Address: No. 19 Xiangshan Road, Science Park, High&New Technology Development District, Guangzhou, Guangdong, P. R. China, 510665
Tel: +86 20 32068126 Fax: +86 20 32068352
Email:marketing@daangene.com
Overseas service:overseas_service@daangene.com

Canada office
Daan Diagnostic Ltd.
Address: #200- 5050 Kingsway, Burnaby, B.C., Canada, V5H 4H2
Tel.: +1 604 451 7588
Fax: +1 604 451 5787
Email: gbai@daangene.net

DaAnGene

Automatic Nucleic Acid Extraction and Purification Solutions (Magnetic Bead)

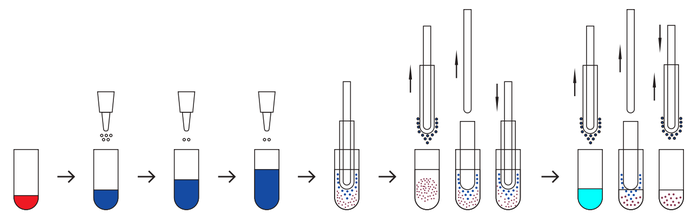
Extensive applications, classic and trustworthy.

Features

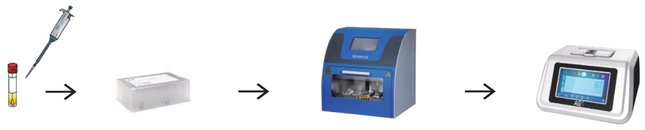
- **Simple and convenient to operate**
  2-3 steps from sample handling to extraction instrument
- **Rapid and high-efficiency**
  Handling 96 samples within 17 minutes with magnetic bead fast extraction reagent
- **Safe and non-toxic**
  No phenol or chloroform, environmental friendly and healthy
- **Compatible with wide range of sample type**
  Such as whole blood, serum, plasma, all kinds of swabs, secretion, sputum, tissue, bronchoalveolar lavage fluid, etc.

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 cracked 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.



Procedure



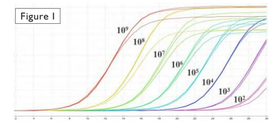
Compatible Instrument

Application

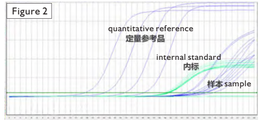
Whole-genome DNA	DNA Pathogens	RNA Pathogens	Tumer Detection	Free DNA
• Personalized drug detection	• HBV	• 2019-nCoV	• Tumor targeted drugs detection	• Tumor ctDNA detection
• Genetic disease Detection	• HPV	• HCV	• Chemotherapy drug sensitivity test	• Non-invasive Prenatal Screening
• Others	• NG	• Flu	• Others	• Others
	• HSV	• HIV		
	• Adenovirus	• RSV		
	• Others	• Ca16, Ev71		
		• Others		

Performance

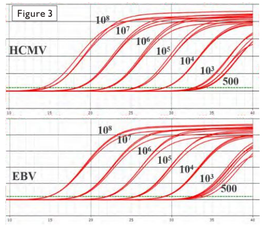
- **High sensitivity, wide linear range**
  Figure 1. Extracted HBV samples nucleic acid with concentration from 100 IU/ML to 1.0E+09 IU/ML respectively with DAAN nucleic acid extraction reagent kit. The samples proceed to FQ-PCR. The result shows that the amplification rate of extraction within these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



- **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 (R2>0.9999).



- **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.



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.