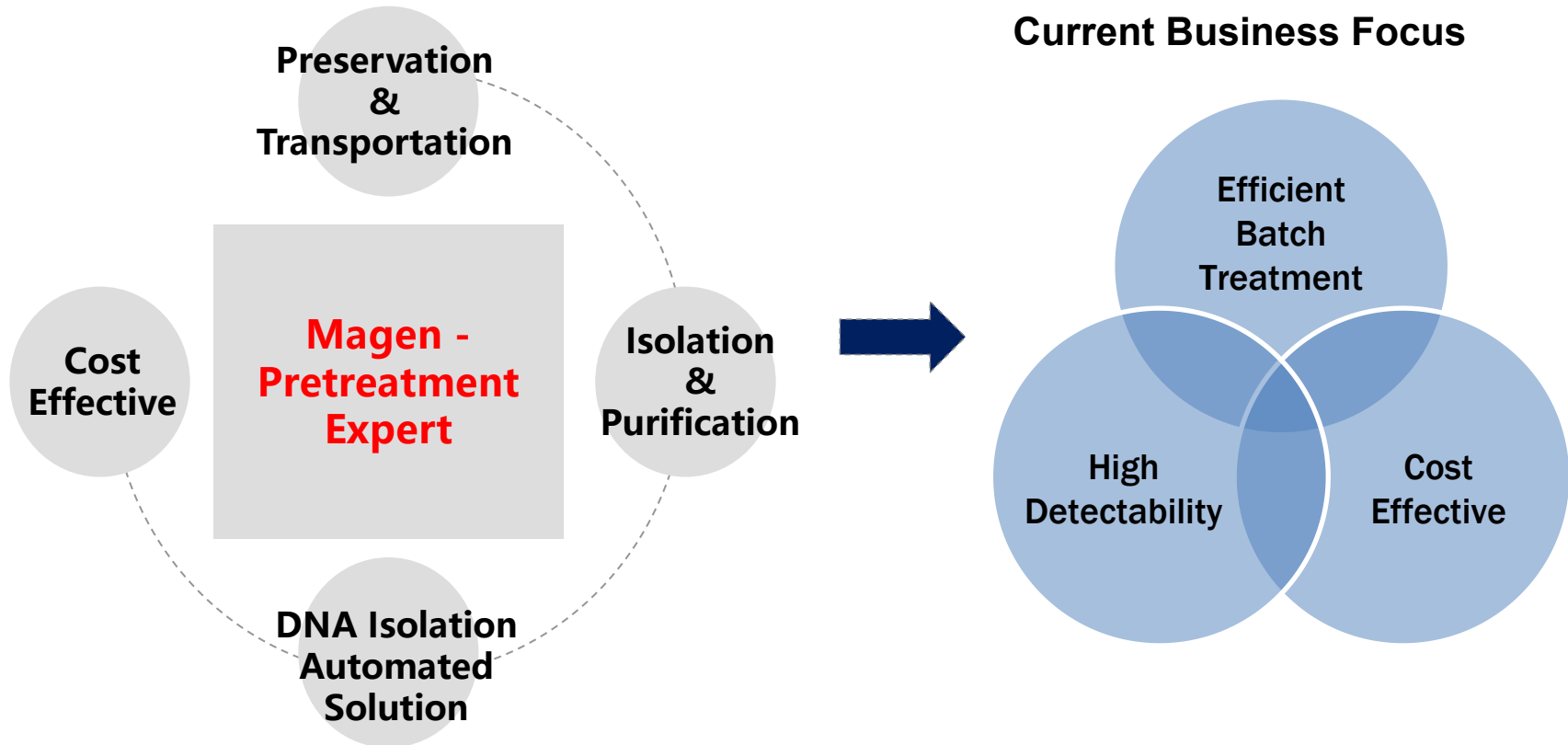


BioSample Pretreatment Expert

Purification beyond your imagination

Our FOCUS: BioSample pretreatment for Molecular biology Research and Detection



Our History and Cooperation

History:

- More than 10 years experience in Nucleic Acid Isolation R&D.
- Magen was founded in Dec. 2012.

Cooperation:

- [**Gene Bank**] 03/2013, long-term cooperation relationship with **national gene bank (BGI)**, by providing customized Sample preservation and Transport technology, and Nucleic acid Isolation Kits for all sample such as Buffy Coat, Blood, Plasma, Tissue, Stool and Soil.
- [**Food Safety**] 09/2013, cooperation relationship with DeaOu (food safety detection company), by providing customized DNA kits for food samples including difficult samples such as oil, condiment, glucose syrup.
- [**Scientific Research**] 01/2014, start scientific research business. Today, our Column kits are widely used in Research institutions and universities.
- [**Clinical detection and Infectious disease control**] 03/2014, product supplier for TIB and Da' an Gene. especially help to solve cross contamination problems in batch high-copy samples pretreatment.
- [**Prenatal and Eugenics**] 02/2015, Our kits were used in BGI Health and other third party inspection companies in HongKong, for Fetal DNA Detection (NIPT) and Newborn' s Gene detection.

Our Products

1. Nucleic Acid Isolation Kits:

- Column-based Nucleic Acid Isolation Kits (variety quantity same as Qiagen)
- Magnetic Particles Nucleic Acid Isolation Kits (For Blood, Tissue, Plant, Stool, Soil, Viral, etc.)
- Solution-based Nucleic Acid Isolation Kits

2. Sample Preservation Tubes (Tissue/Blood/Saliva/Stool/Swab/Viral DNA/RNA samples)

3. Automated Nucleic Acid Isolation System (More than 10 instruments/Premixed reagents)

Our Advantages

- *High Quality* — Comprehensive Value of most products reach 95~105% of Qiagen' s kits
- *Competitive Cost* - design for economic users with high quality, bulk/oem
- *Professional* - customized products and professional problem shooting service
- *Quick Response* — rich experience in R&D with diverse customers
- *Fast Logistics* — high efficient production line, fast and convenient international logistics service

Automated Nucleic Acid Isolation System

Beat Class (like Kingfisher)
(Flap up and down)



抽48块板提取仪

For low through-put DNA/RNA Isolation



For high through-put
DNA/RNA Isolation

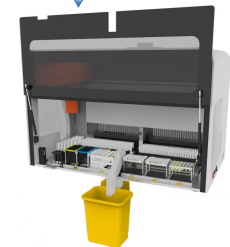
Rotation class (like Chemage)
(Rotation)



For Biological sample library and research

For ctDNA Isolation and Blood Viral screening

Automatic Sample
preparation workstation



Mag Auto 32 Nucleic Acid Extractor

Patting mode:

Patting and blending, similar to Kingfisher.

Double lysis mode:

Double-hole heating for choose, sample volume up to 600ul.

Rapid extraction:

10~60 minutes, high throughput, 1-32 samples per time.

Flexible throughput:

96 well deep plate/6 hole strip for choice, save consumable, save cost

Cross contamination control:

Self-cleaning by UV light, disposable materials

User-defined Temperature:

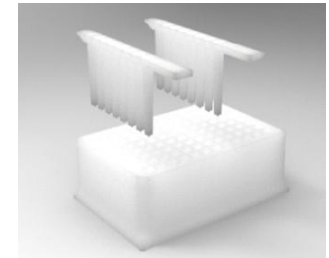
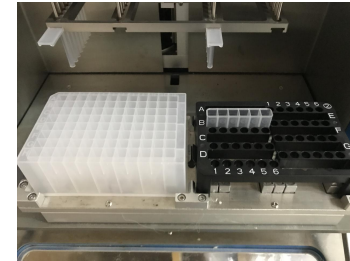
Lysis and elution temperatures defined by users.

Precision Temperature Control:

High thermal efficiency, uniform heating temperature.

High purification accuracy:

CV < 3%, extraction between different holes.



Flexible! High Throughput! High Accuracy! Automated!

Spin Auto 8 Nucleic Acid Extractor

Half patting and blending:

Solved DNA winding problem caused by spinning

Flexible sample volume:

200~2000ul sample volume to improve DNA/RNA yield (2~200ug)

More diversified sample types:

clinical/soil/feces/plant samples, high-yield nucleic acid extraction,

Spinning suspension:

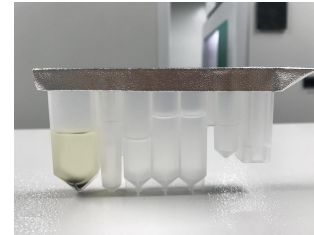
Spinning magnetic bead resuspension, avoids aerosol pollution caused by blowing or shaking

Cross contamination control:

Self-cleaning by UV light, disposable materials

Independent elution tube:

standard 2ml centrifuge tube to collect nucleic acid products, convenient and do not need transferring for storage

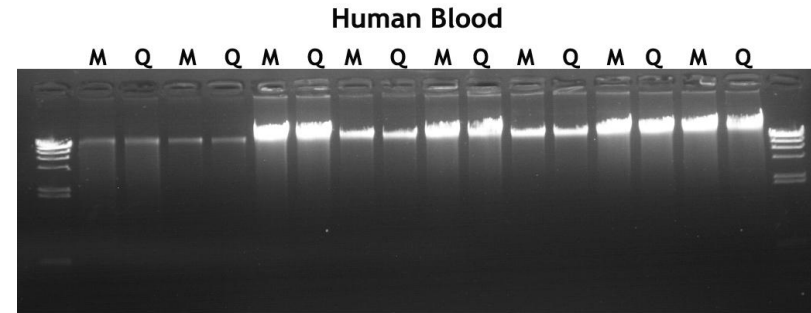


Smart! Easy for use! Cheap price!

Our Kit's Quality

1. MagPure Blood DNA Mini Kit Vs Qiagen Biosprint Kit → Similar yield and purity.

	Sample No.	Nucleic Acid Conc.	260/280	Yield (ug)
Magen	1	19.8	1.82	2.0
Qiagen		19.3	1.79	1.9
Magen	2	20.9	1.83	2.1
Qiagen		19.9	1.79	2.0
Magen	3	94.7	1.81	9.5
Qiagen		81.9	1.79	8.2
Magen	4	31.6	1.82	3.2
Qiagen		30.6	1.87	3.1
Magen	5	48.7	1.81	4.9
Qiagen		48.5	1.78	4.8
Magen	6	34.9	1.81	3.5
Qiagen		31.3	1.80	3.1
Magen	7	55.2	1.82	5.5
Qiagen		54.7	1.81	5.5
Magen	8	62.7	1.82	6.3
Qiagen		59.7	1.81	6.0

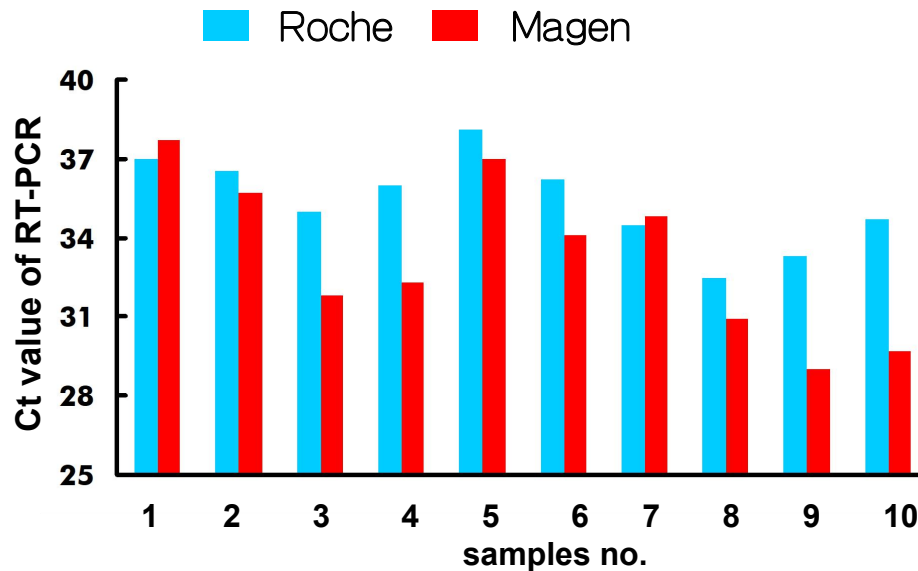


Genomic DNA Were isolated from 8 whole blood samples using Magen Kit and Qiagen Biosprint Kit.

Our Kit's Quality

2. MagPure Viral Nucleic Acid Kit Vs Roche MagNA Pure LC Total Nucleic Acid Isolation Kit

→ Magen Kit's Ct value is 1~5 lower than Roche's Kit, sensitivity is better.



Viral RNA were isolated from Environmental sample from Chicken farm and shambles using Magen Kit and Roche Kit on KingFisher Flex.

After Isolation, H7N9 Viral RNA were detected using RT-PCR. The detection sensitivity of Magen Kit is better than Roche Kit. (Result supplied by GuangZhou CDC)

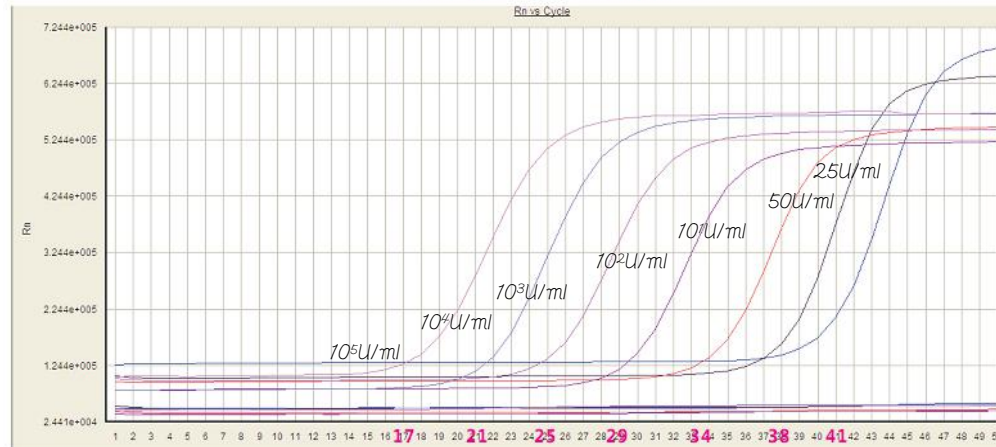
Comparison reason: Roche MagNA System is wide used in CDC.

Our Kit's Quality

4. MagPure Viral Nucleic Acid Kit

→ Sensitivity is better than well known brand Kits in the market.

高灵敏性(HCV RNA病毒)



KingFisher's User feedback:

The kit better than:

- Ambion Am1836 (Shanghai CADC)
- Roche MagNa Kit (Guangzhou CDC)
- Novartis Kit (Da'an Gene Co.ltd)

0.3ml Plasma diluted in different grade were tested.

Viral RNA were isolated by MagPure Viral NA Kit using KingFisher Flex.

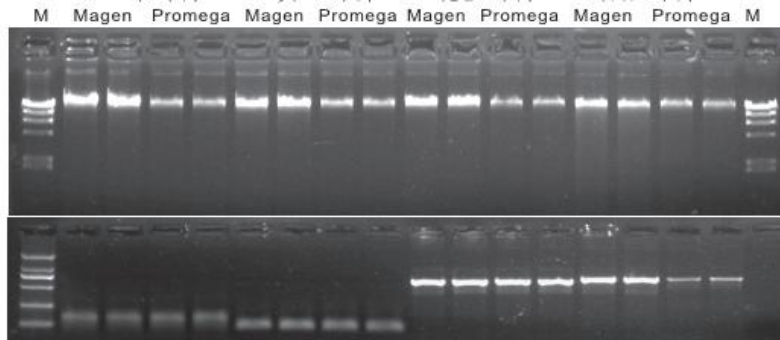
Our Kit's Quality

5. MagPure Plant DNA Kit Vs Promega Wizard Magnetic 96 DNA Plant System

→ Yield is better than Promega.

Plant Leave

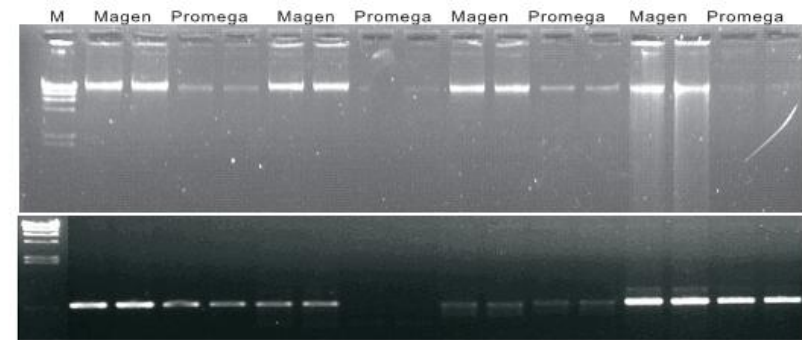
Maize Soybean Peanut Tomato



4种新鲜的叶片样品(50mg)经MagPure Plant DNA Kit和Wizard Magnetic 96 DNA Plant System (Promega)提取后, 取5%纯化的DNA上样于0.8%琼脂糖凝胶电泳分析的结果(上图)。取1%纯化DNA为模板, PCR扩增的结果(下图)。提取仪器: KingFisher Flex

Plant Seed

Soybean Peanut Sesame RapeSeed

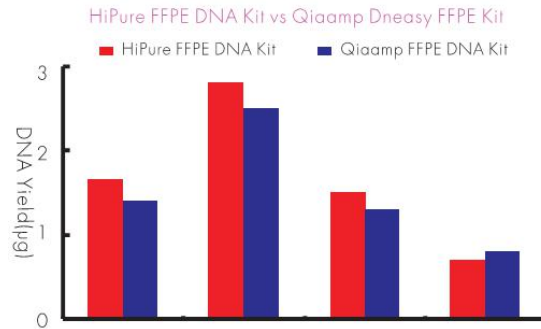


4种不同的种子样品(50mg)经MagPure Plant DNA Kit 和 Wizard Magnetic 96 DNA Plant System (Promega)提取后, 取5%纯化的DNA上样于0.8%琼脂糖凝胶电泳分析的结果(上图)。取1%纯化DNA为模板, PCR扩增的结果(下图)。提取仪器: KingFisher Flex

Comparison reason: Promega Plant Kit is widely used in the seed Companies.

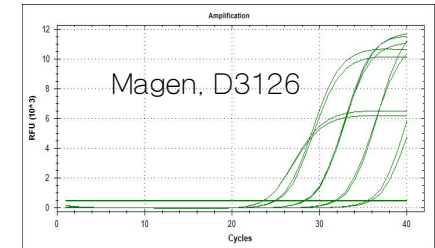
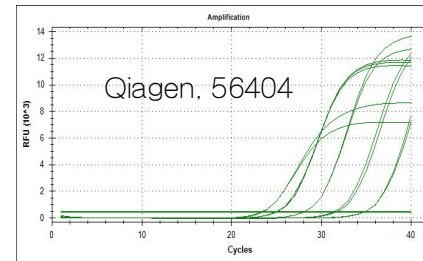
Our Kit's Quality

6. HiPure FFPE DNA Mini Kit Vs QIAamp DNA FFPE Tissue Kit → Higher yield and purity.



Gastric cancer Liver cancer Pancreas Colon

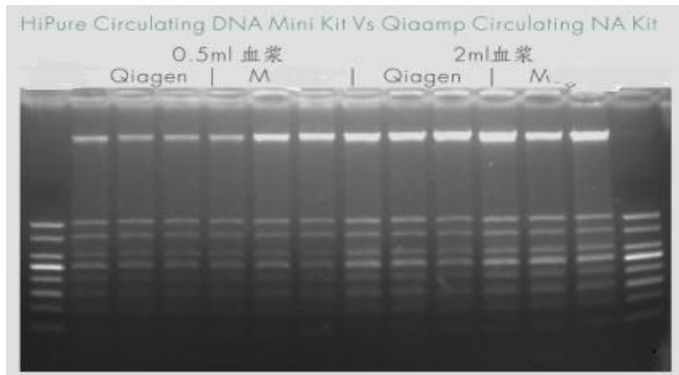
Nanadrop 2000 testing results for HiPure FFPE Kit (Magen) and QIAamp DNA FFPE Tissue Kit (Qiagen), with extracting the above 4 FFPE samples



Real Time PCR results of gradient delution DNA template. The results showed that both kits had similar quality.

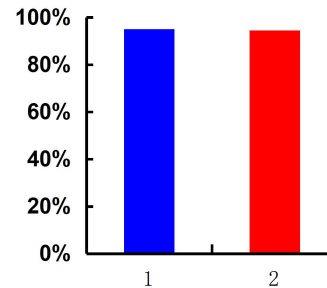
Our Kit's Quality

7. HiPure Circulating DNA Mini Kit Vs QIAamp Circulating Nucleic Acid Kit



Add 100bp DNA Marker to 0.5ml and 2ml pig plasma, and then extracting DNA by Qiagen 55114 and Magen D3182. Analysis purified DNA with 3% agarose gel.

SNP Typing, by liquid chip



Testing Qiagen 55114 and Magen D3182 with blood samples from 20 breast tumor patients. Analysing DNA by liquid chip.

Magen cfDNA Mini Kit gets same quality with Qiagen

Our Customer

NGS (NIPT) Customer:

BGI, Darui, Capitalbio, Annoroad, IPE , USCI, ect. Earn over 80% market in China

Genetic disease and Health detection:

Kingmed, 3G Biotech, Daan Clinical, Capitalbio, iCarbonX, Hospitals

Infectious Diseases detection:

Guangdong CDC (over 10 cities), Daan, TIB, SUPBIO, PRK, Anheal, Wens, ect.

Food safety detection:

Deaou, Double-Helix, Dayuan Lv Zhou, ect.

Humanized medication (Tumor and gene):

Youze, Burning Rock DX, Capitalbio, BGI, Gene Plus, Genecast, surexam

CE IVD Certificates

In-vitro-Diagnostika

Anzeige nach § 25 Abs. 3 Nr. 3 MPG "Neues In-vitro-Diagnostikum"	Nein
Handelsname	—
Allgemeine Produktbezeichnung	Nucleic Acid Extraction or Purification Reagents
Nomenklaturcode	15-90-90-90-00
Nomenklaturbezeichnung	OTHER OTHER INFECTIOUS IMMUNOLOGY REAGENTS
Kategorie	Produkte zur In-vitro-Diagnostik
Kurzbeschreibung in Deutsch	Dieses Produkt eignet sich zur Extraktion der gesamten Nukleinsäure aus biologischen Proben wie Körperflüssigkeiten, Seren, Plasma, Einweichlösungen, Gewebehomogenatüberstand und Kulturüberstand. Die gereinigte DNA / RNA wird zur RT-PCR und zum PCR-Nachweis verwendet.
Kurzbeschreibung in Englisch	This product is suitable for extracting total nucleic acid from biological samples such as body fluids, serums, plasma, soaking solutions, tissue homogenate supernatant, and culture supernatant. The Purified DNA/RNA is used for RT-PCR and PCR detection.

1. Hersteller

Bezeichnung	Guangzhou Magen Biotechnology Co., Ltd.
Staat	China
Ort	Guangzhou
Postleitzahl	510663
Straße	Room 401, Building D, No. 7, Jingye 3rd Street, Yushu Industrial Park, Guangzhou Hi-Tech Industrial Development Zone, Huangpu District
Telefon	+86 020-89857862
Telefax	+86 020-89857862
E-Mail	michael@magentec.com.cn

第一类医疗器械备案凭证

广州美基生物科技有限公司:

根据相关法规要求, 对你单位第一类医疗器械: 核酸提取或纯化试剂予以备案, 备案号: 粤穗械备 20150062 号。



Thank you!

Magen

Purification beyond your imagination

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