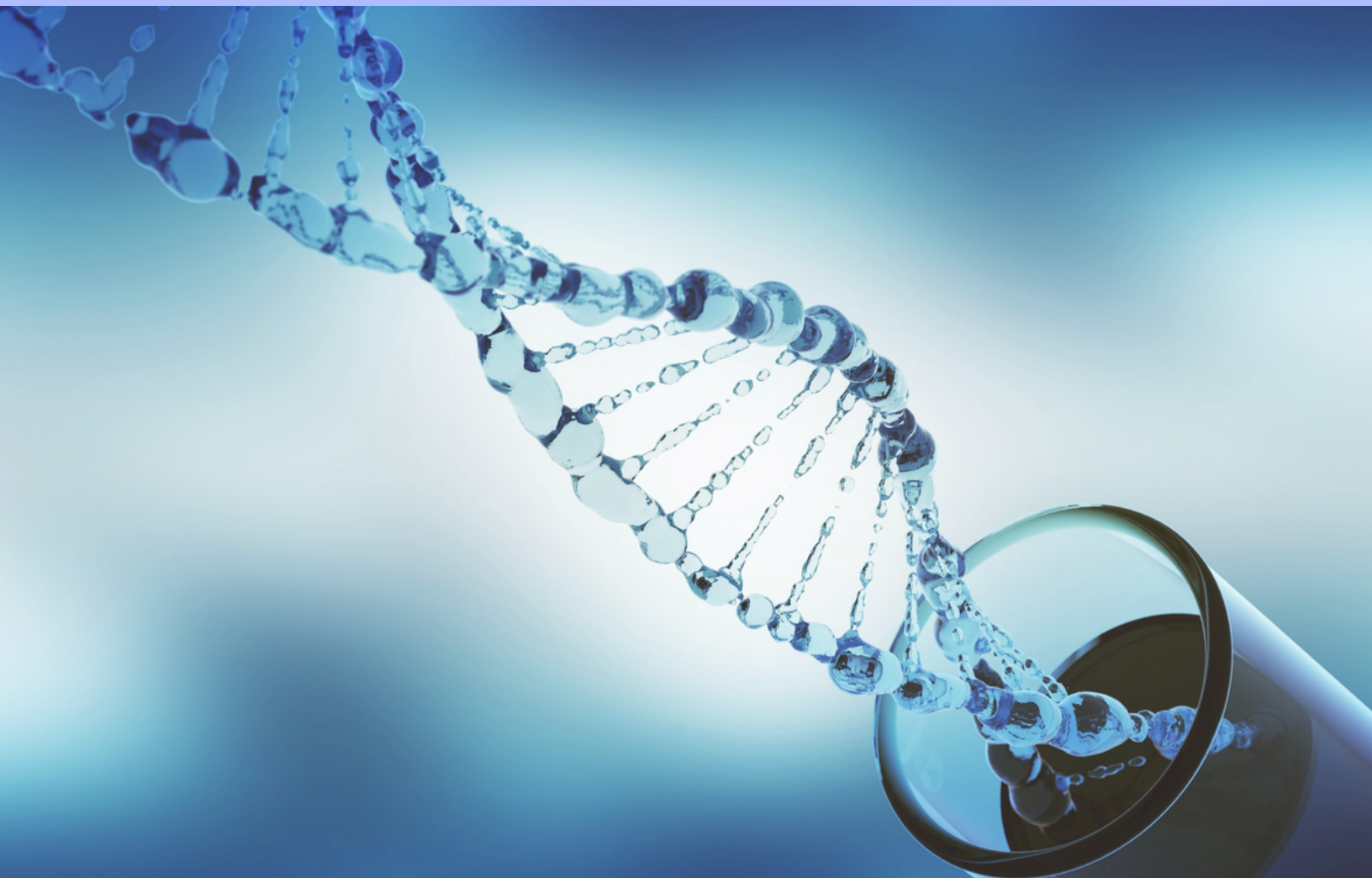




GeneBio  
Systems, Inc.

# DNA ISOLATION & PURIFICATION



# Plasmid DNA Kit

## HiPure Plasmid Mini Kit

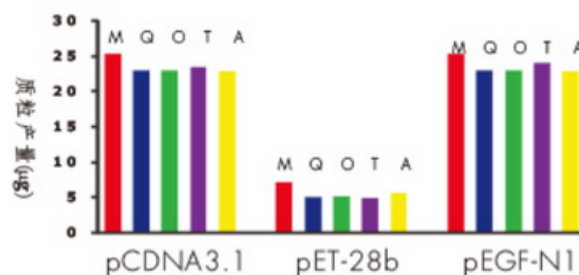
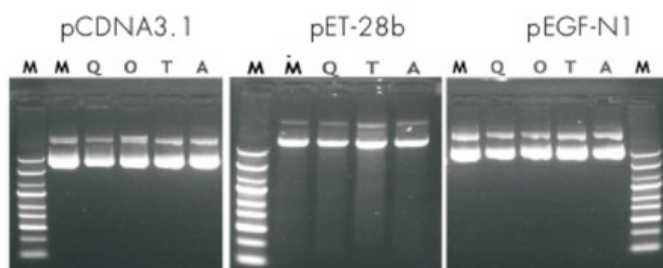
- Isolation up to 35µg plasmid DNA from 1-5ml bacterial culture
- High purity - purified plasmid can be directly used in sequencing, enzyme digestion and PCR, etc.
- Fast -it takes only 1 minute to obtain supernatant by optimized solution
- High yield - up to 35µg plasmid can be binded in one column



CAT.#	PRODUCT
P100102	50 preps
P100103	250 preps

### Supporting Data:

HiPure Plasmid Kits use classical alkaline lysis and silica spin column purification technology, extract high purity plasmid DNA from overnight culture such as E coli (Dh5 $\alpha$ , Jm109). Users can complete multiple samples extraction in 30~60 min. Purified plasmid DNA can be directly used for downstream like sequencing, restriction enzyme digestion, PCR, Blotting, etc.



Use different companies plasmid DNA mini kit extracting 3 different plasmid cultures (3ml). Analyze plasmid DNA (1µl) on 1% agarose gel and Nanodrop. Test results show the four kits get similar DNA yield, Magen in a little higher.

M: Magen, Q: Qiagen, T: Tiangen, O: Omega, A: Axygen.

## HiPure Fastfilter Plasmid Midi Kit

- Up to 250 µg high copy number plasmid DNA or 10-75 µg low copy number plasmid DNA can be purified from 15-50 mL overnight culture
- High purity - purified plasmid can be directly used in sequencing, enzyme digestion and PCR, etc.
- Fast - it takes only 15-60 minutes to complete the isolation
- High yield - up to 70µg plasmid can be bonded in one column



CAT.#	PRODUCT
P101302	50 preps



# Plasmid DNA Kit

## HiPure Plasmid EF Maxi Kit

- High purity - purified plasmid can be directly used in sequencing, enzyme digestion and PCR, etc.
- Fast - silica gel column purification is much faster than ion exchange
- High yield - up to 1.5mg plasmid can be binded in one column
- Ultra low endotoxin - content of endotoxin is less than 0.05 EU/ $\mu$ g, which can be directly used for cell transfection and animal injection, etc.



CAT.#

P115603

PRODUCT

10 preps

## HiPure Fastfilter Plasmid Maxi Kit

- Isolation up to 1mg plasmid DNA from 200ml bacterial culture
- Facilitates the binding, washing and elution steps thus enabling multiple samples to be simultaneously processed
- High purity - purified plasmid can be directly used in sequencing, enzyme digestion and PCR, etc.
- Fast - it takes only 15-60 minutes to complete the isolation
- Economy - high cost performance
- Plasmid less than 30KB



CAT.#

P101403

PRODUCT

50 preps



## HiPure Universal DNA Kit

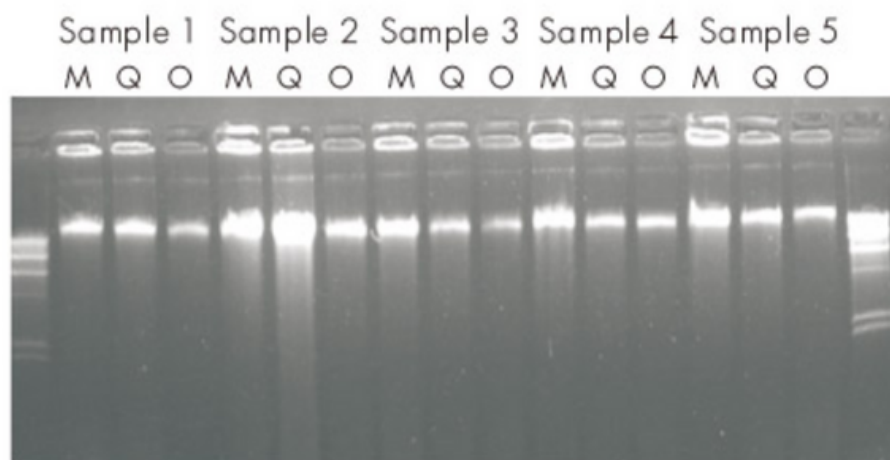
- High quality DNA - meet a variety of downstream applications, including PCR, qPCR, enzyme digestion, hybridization, etc.
- Fast - without separation of leukocytes, organic extraction or ethanol precipitation
- Simple - all nucleic acids can be obtained by direct digestion
- Wide applicability- handle a variety of liquid samples



CAT.#	PRODUCT
D301802	50 preps

### Supporting Data:

#### HiPure Universal DNA Kit (D3018) comparing with other brands



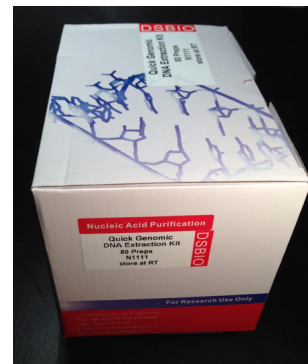
Use Magen HiPure Universal DNA Kit (D3018), Qiagen Kit and Omega Kit extracting 5 fresh human blood samples (200µl). Take 5% genomic DNA analyzing on 0.8% agarose gel. Results show that Magen kit get higher DNA yield.





## Quick Genomic DNA Extraction Kit

- Efficient: 3-35µg of genomic DNA from 10mg of tissue
- Fast: Procedure takes only 30 min.
- Universal: purifies genomic DNA from various sources.
- Safe: No phenol extraction step.
- Convenient: Purified DNA can be directly used in all molecular biology applications.
- High purity: Purified DNA is ready for downstream application such as PCR, restriction digestion.



CAT.#	PRODUCT
N1111	50 preps
N1112	100 preps

## HiPure Blood DNA Mini Kit

- Uses silica gel column purification technology, which can directly lyse whole blood samples without the need for white blood cell separation
- High quality DNA - meet a variety of downstream applications, including PCR, qPCR, enzyme digestion, hybridization, etc.
- Fast - without separation of leukocytes, organic extraction or ethanol precipitation
- Simple - all nucleic acids can be obtained by direct digestion
- Wide applicability- handle a variety of liquid samples



CAT.#	PRODUCT
D3111	50 preps



## Bacterial Genomic DNA Kit

- Efficient: 3-20 µg of genomic DNA from 1.5–2 ml bacteria culture.
- Fast: Procedure takes only 30 min.
- Safe: No phenol extraction step.
- High purity: Purified DNA is ready for downstream application such as PCR, restriction digestion.



CAT.#	PRODUCT
N1151	50 preps
N1152	100 preps

## Yeast Genomic DNA Extraction Kit

- Silica-gel-membrane technology for simple and fast isolation of Genomic DNA without phenol/chloroform
- Buffer system is optimized to allow selective binding of DNA to the silica-gel membrane
- Efficient: 3-35 µg of genomic DNA from 1 – 5 x 10<sup>7</sup> yeast cells.
- Fast: Procedure takes only 1 h.
- Safe: No phenol/chloroform extraction step.
- High purity: Purified DNA is ready for downstream application such as PCR, restriction digestion.



CAT.#	PRODUCT
N1161	50 preps
N1162	100 preps



## Quick Tissue/Culture Cells Genomic DNA Extraction Kit

- Efficient: 3-35 µg of genomic DNA from 10 mg of tissue or 1 x 10<sup>6</sup>-10<sup>7</sup> culture cells.
- Fast: Procedure takes only 30 min.
- Universal: purifies genomic DNA from various sources.
- Safe: No phenol/chloroform extraction step.
- High purity: Purified DNA is ready for downstream application such as PCR, restriction digestion.
- Homogenization is not necessary since tissues are directly lysed by Proteinase K



CAT.#	PRODUCT
N1141	50 preps
N1142	100 preps

## HiPure Circulating Nucleic Acid Mini Kit

- High yield - most optimal process, free DNA (>50bp) can be obtained to the maximum extent
- High concentration - low elution volume, ensuring high nucleic acid concentration
- High purity - low alcohol binding method, completely removing inhibitor and protein pollution
- High recovery - DNA can be recovered at the level of PG by silica gel column purification



CAT.#	PRODUCT
D318102	50 preps



## SolPure Tissue DNA Kit

- Safe - without phenol chloroform extraction
- Environment friendly - the reagents used are safe, non-toxic and without pollution
- High molecular weight - the molecular weight of genomic DNA is about 50-150kb
- High purity - the purified DNA has  $A_{260}/A_{280}=1.8-1.9$ ,  $A_{260}/A_{230}=2.0-2.5$
- Unlimited sample size - solution type operation, sample volume can be adjusted at will
- Cost performance - the most economical nucleic acid extraction technology



CAT.#

D331201

PRODUCT

1 g

## HiPure SF Plant DNA Kit

- Fast and easy way to purify DNA from plant and fungal tissue. Up to 100 mg of tissue can be processed
- Safe - require no phenol or chloroform extraction
- Fast - several samples can be extracted in 30 minutes by silica technology
- High purity - high quality DNA, completely remove inhibitors
- High yield - silica technology can achieve the highest yield
- Purification requires no phenol or chloroform extraction or alcohol precipitation



CAT.#

D316402

PRODUCT

50 preps





## HiPure HP Plant DNA Kit

- Broad spectrum - suitable for extracting DNA from various plant samples
- Fast - several samples can be extracted in 30 minutes by silica technology
- Good repeatability - silica gel column purification technology can obtain ideal results every time
- Kit is based on silica gel column and CTAB lysis purification technology
- Purified DNA can be used directly for PCR, SSR, AFLP, RAPD and Southern Blot, etc



CAT.#  
D318702

PRODUCT  
50 preps

## HiPure FFPE DNA Kit

- Safety - deparaffinating without contacting with xylene or other toxic solution
- Fast - without overnight incubation and digestion, several samples can be extracted within 2 hours
- High efficiency - remove the formaldehyde modification of DNA, greatly enhancing the sensitivity of PCR
- Adopts silica gel column purification
- Based on silica gel column purification technology, no phenol-chloroform extraction or alcohol precipitation



CAT.#  
D316402

PRODUCT  
50 preps



## HiPure Soil DNA Kit

- High quality - high purity total RNA can be directly used in various sensitive downstream applications
- Fast - extraction of several samples can be completed in 60 minutes by column purification method
- Safe - no phenol chloroform extraction required
- Sensitive - RNA can be purified at the level of PG
- Suitable for extracting high-yield and high-purity total RNA from various soil samples, such as forest soil, grassland soil, mining soil, sediment and so on



CAT.#  
D314202

PRODUCT  
50 preps

## HiPure Stool DNA Kit

- High purity - unique adsorbent for more efficient removal of inhibitors
- High concentration - maximum extraction of total RNA from stool samples
- Sensitive - RNA can be purified at the level of PG
- The purified RNA can be directly used in RT-PCR, Northern hybridization and other experiments
- Kit adopts silica gel column purification technology and original solution system, which can effectively remove humic acid and other inhibitory factors in stool samples



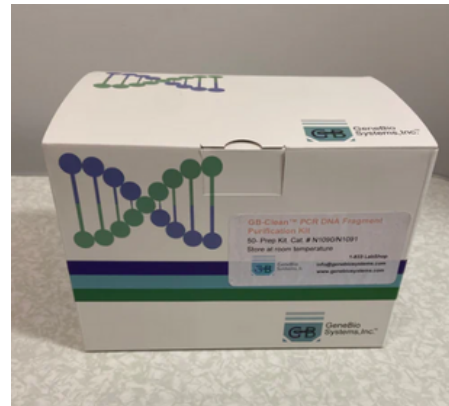
CAT.#  
D314102

PRODUCT  
50 preps



## GB-Clean™ PCR-DNA Fragment Purification Kit

- Highly efficient: 85-100% recoveries in the range of 50 bp-40 kb.
- Convenient: Spin columns are capped and assembled with collection tubes.
- Fast: Procedure takes 15 minutes.
- Pure DNA: A260/A280= 1.7-1.9
- The PCR Purification Kit effectively removes primers, dNTPs, unincorporated labeled nucleotides, enzymes and salts from PCR and other reaction mixtures

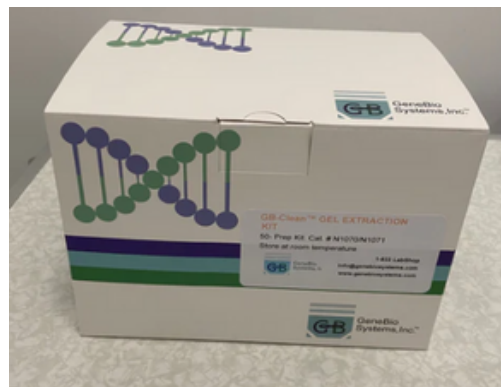


CAT.#  
N1091

PRODUCT  
50 preps

## GB-Clean™ Gel Extraction Kit

- This membrane-based system can bind up to 40µg DNA
- Allows recovery of isolated DNA fragments in as little as 20 minutes, depending on the number of samples processed and the protocol used
- Can be used for automated fluorescent DNA sequencing, cloning, labeling, restriction enzyme digestion or in vitro transcription/translation without further manipulation.



CAT.#  
N1071

PRODUCT  
50 preps

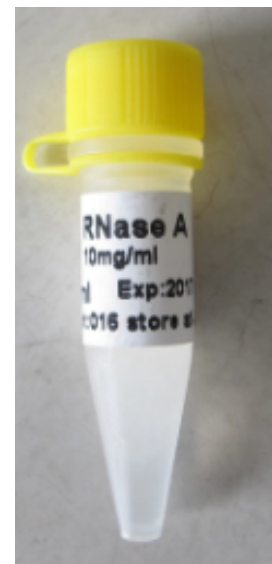


# DNA Isolation Reagents

## RNase A

- DNase and protease-free
- Plasmid and genomic DNA preparation
- Removal of RNA from recombinant protein preparations.
- Ribonuclease protection assays
- Mapping single-base mutations in DNA or RNA

CAT.#	PRODUCT
N9041-01	1 ml
N9041-02	5 ml



## Proteinase K Lyophilized

- DNase and protease-free
- Plasmid and genomic DNA preparation
- Isolation of native high molecular genomic nucleic acids
- Removal of RNA from recombinant protein preparations.
- Ribonuclease protection assays
- Mapping single-base mutations in DNA or RNA
- Specific Activity: 40 U/mg protein

CAT.#	PRODUCT
N9016	100 mg
N9017	1 g





GeneBio  
Systems, Inc.

Specialists in Economical Quality Lab Supplies



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