



FAVORGEN

The Professional
Manufacturer of
Nucleic Acid Extraction Kits

- Automatic Production in ISO 13485 Qualified Factory.
- Complete Product Lines: Colum System, 96-Well System, Magnetic Bead System, Reagent
- Collaboration with Academic and Industrial Partners for Product Developing & Quality Improving.



Favorgen is located in the national biotechnology park, Taiwan.

It constructs its ISO qualified factory with automation system for production of high-quality

molecular biology products and clinical chemical reagents.

Currently, Favorgen has set up its distributorship net over 30 countries in the world. Since being established,

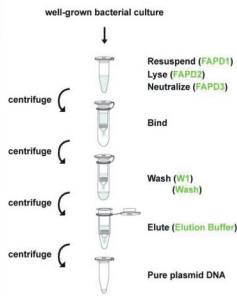
Favorgen has invested substantially in its state-of-the-art manufacturing facilities, to provide customers with high-quality products at very competitive prices. Favorgen is committed to developing research, both in-house and through collaboration with academic and industrial partners, in order to keep offering high-quality, innovation products.

Plasmid DNA Extraction Mini Kit



Features

- **High Recovery:** For high yields of plasmid DNA-up to 30µg from 1~3ml overnight cultures.
- **Easy to use:** No need for messy resin slurries, extracting with phenol, or concentrating via alcohol precipitation.
- **Time saving:** Rapid isolation of genomic DNA from blood, within 30 minutes after lysis.
- **Versatile:** Bacterial cultures such as E. coli, which bacteria is pellet, lysed, and then neutralized.



Specifications

Sample: plasmid DNA-up to 30µg from 1~3ml overnight cultures

Binding Capacity: Up to 50µg

Expectant Yield: 20-30µg for high-copy plasmid
3-10µg for low-copy plasmid

operation Time: Under 30 minutes



Order Information

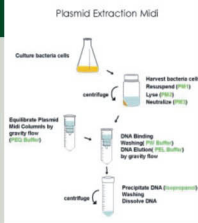
Cat. No.	Product Name	Size
FAPDE 100	FavorPrep™	100 preps
FAPDE 300	Plasmid DNA Extraction Mini Kit	300 preps
Kit Component	FAPD2 Buffer	FAPD3 Buffer
	W 1 Buffer	Wash Buffer (Concentrated)
	Elution Buffer	RNase A (50mg/ml)
	FAPD Mini Columns	2ml tubes (for Collection)

Plasmid DNA Extraction Midi Kit



Features

- **Purity:** Equal to that obtained by 2x CsCl-gradient centrifugation.
- **Safe:** Eliminates the use of phenol, chloroform, ethidium bromide, and cesium chloride, minimizing exposure to, and disposal of hazardous materials.
- **Time saving:** Complete the process in less than 120 minutes.
- **Versatile:** Bacterial cultures such as E. coli, which bacteria is pellet, lysed, and then neutralized.



Specifications

Sample: Up to 120ml bacterial cultures

Binding Capacity: Up to 750µg

Expectant Yield 500µg for high-copy plasmid
25-200µg for low-copy plasmid

Operation Time Less than 120 minutes



Order Information

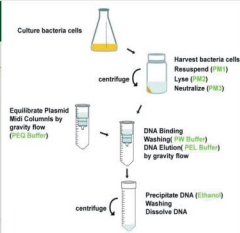
Cat. No.	Product Name	Size
FAPDE 002	FavorPrep™ Plasmid DNA Extraction Midi Kit	25 preps
FAPDE 002-1		50 preps
FAPDE 002-EF	FavorPrep™ Endotoxin Free Plasmid DNA Extraction Midi Kit	25 preps
Kit Component	PM1 Buffer	PM2 Buffer
	PEQ Buffer	PW Buffer
	PTR Buffer (only for Endotoxin Free Extraction Kit)	PM3 Buffer
	RNase A (50mg/ml)	PM Midi Columns

Plasmid DNA Extraction Maxi Kit



Features

- **Purity:** Equal to that obtained by 2x CsCl-gradient centrifugation.
- **Safe:** Eliminates the use of phenol, chloroform, ethidium bromide, and cesium chloride, minimizing exposure to, and disposal of hazardous materials.
- **Time saving:** Complete the process in less than 150 minutes.
- **Versatile:** Bacterial cultures such as E. coli, which bacteria is pellet, lysed, and then neutralized.



Specifications

Sample:	Up to 240ml bacterial cultures
Binding Capacity:	Up to 1.5mg
Expectant Yield:	high-copy plasmid: 1mg bacterial culture low-copy plasmid: 50-500µg bacterial culture
operation Time:	Less than 150 minutes



Order Information

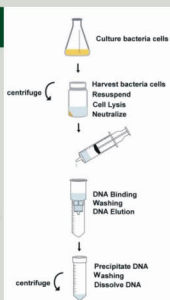
Cat. No.	Product Name	Size
FAPDE 003	FavorPrep™ Plasmid DNA Extraction Maxi Kit	10 preps
FAPDE 003-1	FavorPrep™ Plasmid DNA Extraction Maxi Kit	20 preps
FAPDE 003-EF	FavorPrep™ Endotoxin Free Plasmid DNA Extraction Maxi Kit	10 preps
Kit Component		
PM1 Buffer	PM2 Buffer	PM3 Buffer
PEQ Buffer	PW Buffer	PEL Buffer
RNase A (50mg/ml)	FavorFilter™ Max Cartridges	PM Maxi Column
PTR Buffer (Only for Endotoxin Free Extraction Kit)		

FavorFilter™ Plasmid DNA Extraction Maxi Kit



Features

- **Time Saving:** Complete the process in less than 90 minutes
- **High Purity:** Equal to that obtained by 2x CsCl gradient centrifugation.
- **Safe:** Eliminates the use of phenol, chloroform, ethidium bromide, and cesium chloride, minimizing exposure to and disposal of hazardous materials.
- **Transfection (non-endotoxin sensitive), In Vitro Transcription, Microinjection, Restriction Enzyme digestion**



Specifications

Sample:	Up to 240ml bacterial cultures
Binding Capacity:	Up to 1.5mg
Expectant Yield:	high-copy plasmid: 1mg bacterial culture low-copy plasmid: 50-500µg bacterial culture
operation Time:	Less than 120 minutes



Order Information

Cat. No.	Product Name	Size
FAFTE 001	FavorPrep™ FavorFilter Plasmid DNA Extraction Maxi Kit	4 preps
FAFTE 001-1	FavorPrep™ FavorFilter Plasmid DNA Extraction Maxi Kit	10 preps
FAFTE 001-EF	FavorFilter™ Endotoxin Free Plasmid DNA Extraction Maxi Kit	4 preps
FAFTE 001-1-EF	FavorFilter™ Endotoxin Free Plasmid DNA Extraction Maxi Kit	10 preps
Kit Component		
PM1 Buffer	PM2 Buffer	PM3 Buffer
PEQ Buffer	PW Buffer	PEL Buffer
RNase A (50mg/ml)	FavorFilter™ Max Cartridges	PM Maxi Column
PTR Buffer (Only for Endotoxin Free Extraction Kit)		

GEL Purification Kit

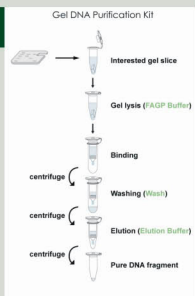


Features

- **Fast:** Rapid extraction of DNA fragments from agarose gels
- **Purity:** Highly pure DNA (suitable for PCR)
- **Simple:** DNA can be eluted with sterile water or TE buffer.
- **Safe:** No phenol/chloroform extraction and ethanol precipitation required.

Specifications

Applications:	Purification of DNA from solutions and agarose gels
Operation:	Centrifuge / Vacuum
Sample Source:	DNA in agarose gel, PCR products, Enzyme reaction mixture etc.
DNA Size Rang	70bp~12kb
Binding Capacit	up to 10µg
Recovery Rate:	70~85%
Operation Time:	About 25 minutes



Order Information

Cat. No.	Product Name	Size
FAGPK 001 FAGPK 001-1	FavorPrep™ GEL Purification Kit	50 preps 200 preps

Kit Component

FAGP Buffer	Wash Buffer (Concentrated)
Elution Buffer	FAGP Column
2ml Collection tubes	1.5ml Elution tubes

PCR Clean-Up Kit

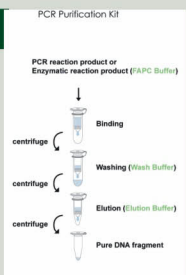


Features

- **Fast:** Quick and easy to use, just three simple steps.
- **Simple:** PCR product is eluted with sterile water or elution buffer (supplied).
- **Safe:** No phenol/chloroform extraction and ethanol precipitation required.

Specifications

Applications:	sequencing, ligation, labeling, amplification and enzymatic digestion
Operation:	Centrifuge / Vacuum
Sample Source:	PCR products, labeled, modified or digested DNA (Ex. Restriction digests, alkaline phosphatase fragments, kinase reaction, enzymatic labeling reactions)
DNA Size Range:	100bp~12kb
Binding Capacity:	up to 10µg PCR product
Recovery Rate:	90~95%
Operation Time:	About 15 minutes



Order Information

Cat. No.	Product Name	Size
FAPCK 001 FAPCK 001-1	FavorPrep™ PCR Clean-Up Kit	50 preps 200 preps

Kit Component

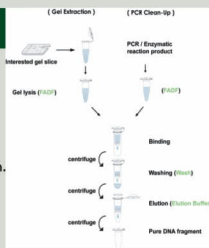
FAPC Buffer	Wash Buffer (Concentrated)
Elution Buffer	FAPC Column
2ml Collection tubes	1.5ml Elution tubes

GEL/PCR Purification Kit



Features

- **High Recovery:** 70-85% for Gel Extraction, 90-95% for PCR Clean-Up. With simple steps, quick and easy to use.
- **Time Saving:** 15 minutes for PCR clean-up, 20 minutes for Gel extraction.
- **Safe Use:** No pheno/chloroform extraction and ethanol precipitation required.
- **Versatile:** Purify DNA from agarose gels, PCR or other enzymatic reactions. Fragments between 70bp~ 12Kb.



Specifications

Applications:	PCR, Fluorescent or Radioactive Sequencing, Restriction Digestion, DNA Labeling, Ligation and Transformation
Sample Source:	Up to 300mg agarose gel slice Up to 100µl PCR product or other enzymatic reaction
DNA Size Range:	70bp~12kb
Binding Capacity:	up to 10µg
Recovery Rate:	70-85% for GEL extraction 90~95% for PCR Clean-Up
Operation Time:	15 minutes for PCR Clean-Up 25 minutes for GEL extraction



Order Information

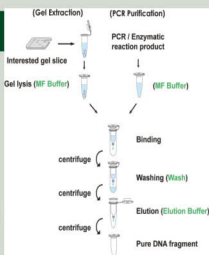
Cat. No.	Product Name	Size
FAGCK 001 FAGCK 001-1	FavorPrep™ GEL/PCR Purification Mini Kit	100 preps 300 preps
Kit Component		
FADF Buffer	Wash Buffer (Concentrated)	
Elution Buffer	FADF Column	
2ml Collection tubes		

FavorPrep™ MicroElute Gel/PCR Purification Kit



Features

- **Very Small Elution Volume: 10µl**
- **High Recovery:**
75~85% for Gel extraction
80~90% for PCR purification
- **Time saving:** 15 minutes for PCR purification, 20 minutes for Gel extraction
- **Safe:** No pheno/chloroform extraction and ethanol precipitation required



Specifications

Sample:	Very Small Elution Volume :10µl
DNA size:	70bp-4kb
Binding Capacity:	Up to 5µg
Expected Yield:	75~85% for Gel extraction 80~90% for PCR purification
Operation Time:	15 minutes for PCR purification, 20 minutes for Gel extraction



Order Information

Cat. No.	Product Name	Size
FAEPK 001 FAEPK 001-1	FavorPrep™ MicroElute GEL/PCR Purification Kit	50 preps 200 preps
Kit Component		
MF Buffer	Wash Buffer (conc.)	
Elution Buffer	MF Column	
2ml tubes (for Collection)		

Blood Genomic DNA Extraction Mini Kit

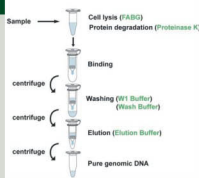
(Blood/ Buffy Coat/ Cultured Cells)



Features

- **High Recovery:** Possible to purify between 5-50 μ g of genomic DNA.
- **Safe:** No phenol, chloroform extraction or ethanol precipitation required.
- **Time saving:** Within 30 minutes depending on sample type.
- **Versatile:** Extraction of genomic DNA from whole blood, plasma, serum, buffy coat, body fluids, lymphocytes, cultured cells and bacterial cells.

Blood Genomic DNA Mini Extraction Kit



Specifications

	Kit with Proteinase K: Up to 0.2ml blood sample 5 x 10 ⁶ animal cultured cells 10 ⁸ bacterial cultured cells
Sample:	Kit without Proteinase K Up to 0.3ml fresh blood sample
Binding Capacity:	up to 50 μ g genomic DNA
Expectant Yield:	4-12 μ g for blood sample 20-40 μ g for cultured cells
operation Time:	Within 30 minutes



Order Information

Cat. No.	Product Name	Size
FABGK 001	FavorPrep™ Blood Genomic DNA Extraction Mini Kit (Including Proteinase K Powder)	50 preps
FABGK 001-1		100 preps
FABGK 100	FavorPrep™ Blood Genomic DNA Extraction Mini Kit	100 preps
FABGK 300		300 preps

Kit Component

Using Proteinase K			Using Lysis Buffer	
Proteinase K	FABG Buffer	Elution Buffer	RBC Lysis Buffer	FATG Buffer
W1 Buffer (conc.)	Wash Buffer (conc.)		W1 Buffer	Wash Buffer (conc.)
FABG Mini Column	2ml tubes (for Collection)	Elution Buffer	FABG Mini Column	
	1.5ml tubes (for Elution)		2ml tubes (for Collection)	

Blood Genomic DNA Extraction Maxi Kit

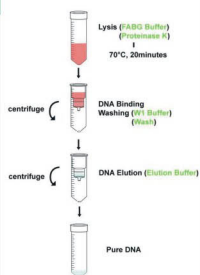
(Blood/ Buffy Coat/ Cultured Cells)



Features

- **High Recovery:** Possible to purify between 500 μ g of genomic DNA.
- **Safe:** No phenol, chloroform extraction or ethanol precipitation required.
- **Time saving:** About 60 minutes.
- **Versatile:** Extraction of genomic DNA from whole blood, plasma, serum, buffy coat, body fluids, lymphocytes, cultured cells and bacterial cells.

Blood Genomic DNA Extraction Maxi Kit



Specifications

	Up to 10ml fresh blood 5 X 10 ⁷ -1 X 10 ⁸ animal cultured cell 2 X 10 ¹⁰ bacterial cultured cells
Sample:	
Binding Capacity:	Up to 500 μ g of Genomic DNA
Expected Yield:	Up to 500 μ g for whole blood
operation Time:	About 60 minutes



Order Information

Cat. No.	Product Name	Size
FABGK 003	FavorPrep™ Blood Genomic DNA Extraction Maxi Kit (Including Proteinase K Powder)	10 preps
FABGK 003-1		24 preps

Kit Component

Using Proteinase K Powder/	
Proteinase K Powder	FABG Buffer
W1 Buffer	Wash Buffer (conc.)
Elution Buffer	FABG Maxi Column
50ml tubes (for Elution)	

Tissue Genomic DNA Extraction Mini Kit

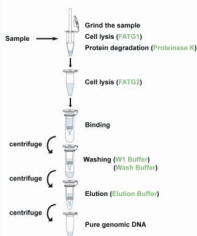
(Tissue/ Bacteria, G⁺, G⁻/ Fixed Tissue/ Yeast/ Dried blood spot)



Features

- **High Recovery:** Possible to purify up to 50µg of genomic DNA.
- **Easy to use:** Rapid isolation without the use of caustic organic compounds.
- **Time saving:** Rapid isolation of genomic DNA from blood, within 20 minutes after lysis
- **Versatile:** Extraction of genomic DNA from several types of tissue, fixed tissue, yeast or dried blood, up to 25mg of fresh/frozen tissue can be sued.

Tissue Genomic DNA



Order Information

Cat. No.	Product Name	Size
FATGK 001	FavorPrep™ Tissue	50 preps
FATGK 001-1	Genomic DNA	100 preps
FATGK 001-2	Extraction Mini Kit	300 Preps

Kit Component

Proteinase K Powder FATG1 Buffer FATG2 Buffer
W1 Buffer Wash Buffer (Concentrated) Elution Buffer
FATG Mini Column 1.5ml tubes (for Elution)
2ml tubes (for Collection) Micropestles

Specifications

Sample: 25mg animal tissues,
1.2 cm mouse tail,
3ml log-phase (OD=10) yeast culture
Paraffin-embedded tissue, Buccal swab

Binding Capacity: up to 60µg genomic DNA

Expectant Yield: 5-50µg

operation Time: Within 20 minutes after lysis

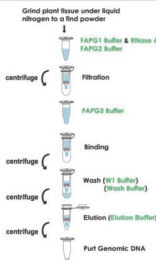
Plant Genomic DNA Extraction Mini Kit

(Plant tissue/ Plant Cells/ Fungi)



Features

- **High Purity:** DNA is suitable for a variety of applications, including amplification, digestion, PCR etc.
- **Save:** It is not necessary to treat the sample with harmful organic solvents such as phenol and chloroform.
- **Time saving:** About 30-60 minutes depending upon the sample type.



Plant Genomic DNA Mini Kit



Order Information

Cat. No.	Product Name	Size
FAPGK 001	FavorPrep™ Plant	50 preps
FAPGK 001-1	Genomic DNA	100 preps
	Extraction Mini Kit	

Kit Component

FAPG1 Buffer FAPG2 Buffer FAPG3 Buffer
W1 Buffer (conc.) Wash Buffer (conc.)
Elution Buffer RNase A (10mg/ml) Filter column
FAPG mini column 2ml tubes (for Collection)

Specifications

Sample: Up to 100mg fresh Plant tissues or 20mg dry plant tissue

Binding Capacity: Up to 50µg genomic DNA

Expected Yield : 5~40µg

Operation Time: About 30-60 minutes

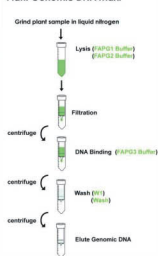
Plant Genomic DNA Extraction Maxi Kit

(Plant tissue/ Plant Cells/ Fungi)

Features

- **High Purity:** DNA is suitable for a variety of applications, including amplification, digestion, PCR etc.
- **Save:** It is not necessary to treat the sample with harmful organic solvents such as phenol and chloroform.
- **Time saving:** Within 80 minutes depending upon the sample type.

Plant Genomic DNA Maxi



Specifications

Sample:	Up to 1g fresh Plant tissues or 200mg dry plant tissue
Binding Capacity:	Up to 1mg genomic DNA
Expected Yield :	Up to 500~600µg
Operation Time:	Within 80 minutes



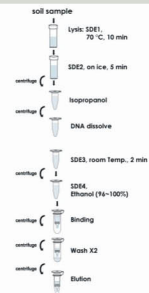
Order Information

Cat. No.	Product Name	Size
FAPGK 002	FavorPrep™	10 preps
FAPGK 002-1	Plant Genomic DNA Extraction Maxi Kit	24 preps
Kit Component		
FAPG1 Buffer	FAPG2 Buffer	FAPG3 Buffer
Wash1 Buffer (conc.)	Wash Buffer (concentrated)	
Elution Buffer	RNase A (10mg/ml)	Filter column
FAPG mini column		

FavorPrep™ Soil DNA Isolation Mini/Midi Kit

Features

- **Time Saving:** Rapid isolation of ready-to-use DNA within 60 minutes without phenol/chloroform extraction.
- **High purity:** Eliminate humic acid, polysaccharides, phenol compounds, and enzyme inhibitor from stool sample.
- **Sample Size:** Mini Kit Prep: 0.2~1g of soil sample. Midi Prep: up to 10g of soil sample
- **Format:** Spin Column



Specifications

Sample:	Mini Kit Prep: 0.2~1g of soil sample Midi Prep: up to 10g of soil sample
Binding Capacity:	Mini Kit: Up to 30µg total DNA Midi Kit: up to 300µg genomic DNA
Operation Time:	Within 60 minutes



Order Information

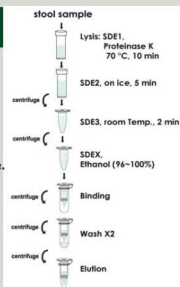
Cat. No.	Product Name	Size
FASOI 001	FavorPrep™ Soil DNA Isolation Mini Kit	50 preps
FASOI 001-1		100 preps
FASOI 002	FavorPrep™ Soil DNA Isolation Midi Kit	24 preps
Mini Kit Components		
Glass Beads	SDE1 Buffer	SDE2 Buffer
SDE4 Buffer	Wash Buffer (conc.)	Elution Buffer
SDE Mini Column	2ml Tube (for Collection)	
Midi Kit Components		
Glass Beads	SDE1 Buffer	SDE2 Buffer
SDE4 Buffer	Wash Buffer (conc.)	SDE3 Buffer
SDE Midi Column	50ml Tube (for Collection)	Elution Buffer

FavorPrep™ Stool DNA Isolation Mini Kit



Features

- **Time Saving:** Rapid isolation of ready-to-use DNA within 60 minutes without phenol/chloroform extraction.
- **High purity:** Eliminate humic acid, polysaccharides, phenol compounds, and enzyme inhibitor from stool sample.
- **Sample Size:** 50~200mg of fresh or frozen stool sample.
- **Format:** Spin Column



Specifications

Sample: 50~200mg of fresh or frozen stool sample.

Binding Capacity: Up to 30µg genomic DNA

Operation Time: Within 60 minutes



Order Information

Cat. No.	Product Name	Size
FASTI 001 FASTI 001-1	FavorPrep™ Stool DNA Isolation Mini Kit	50 preps 100 preps

Kit Component

Glass Beads SDE1 Buffer SDE2 Buffer SDE3 Buffer
SDE4 Buffer Wash Buffer (concentrated)
Elution Buffer Proteinase K SDE Mini Column
2.0ml Tube (for Collection)

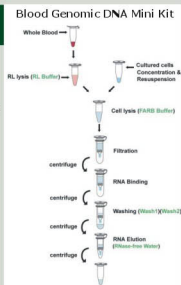
Blood Total RNA Extraction Mini Kit

(Blood/ Cultured cells)



Features

- **High Purity:** OD 260/280: 1.9-2.1
- **Save Use:** The kit use a spin column tube and removes proteins and nucleases in cells. It is not necessary to treat the sample with harmful organic solvents such as phenol and chloroform.
- **Time saving:** 30-60 minutes depending upon the sample type.



Specifications

Sample: Up to 0.3ml fresh whole blood
Up to 1 X 10⁷ animal cultured cells
Up to 1 X 10⁸ bacterial cultured cells
Up to 5 X 10⁷ Yeast

Binding Capacity: Up to 100µg total RNA

Expected Yield : 4-12ug from blood sample
10-65ug from cultured cells

Operation Time: About 30-60 minutes



Order Information

Cat. No.	Product Name	Size
FABRK 001 FABRK 001-1 FABRK 001-2	FavorPrep™ Blood/ Cultured Cell Total RNA Purification Mini Kit	50 preps 100 preps 300 preps

Kit Component

RL Buffer FARB Buffer Wash Buffer 1
Wash Buffer 2(conc.) RNase-Free Water
FARB Columns 2ml tubes (for collection)
1.5ml tubes (for elution) Filter Column

Blood Total RNA Extraction Maxi Kit

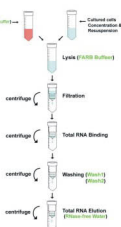
(Blood/ Cultured cells)



Features

- **High Purity:** OD 260/280: 1.9-2.1
- **Save Use:** The kit use a spin column tube and removes proteins and nucleases in cells. It is not necessary to treat the sample with harmful organic solvents such as phenol and chloroform.
- **Time saving:** 60 minutes depending upon the sample type.

Blood Total RNA Maxi



Specifications

Sample: 3-10ml fresh whole blood
Up to 5×10^8 animal cultured cells
Up to 5×10^{10} bacterial cultured cells
Up to 5×10^7 Yeast

Binding Capacity: Up to 6mg total RNA

Operation Time: About 60 minutes

Order Information

Cat. No.	Product Name	Size
FABRK 003 FABRK 003-1	FavorPrep™ Blood/Cultured Cell Total RNA Purification Maxi Kit	10 preps 24 preps

Kit Component

10X RL Buffer FARB Buffer Wash Buffer 1
Wash Buffer 2(cocnc.) RNase-Free Water
FARB Maxi Columns 50 ml Elution Tube Filter Column

Tissue Total RNA Extraction Mini Kit

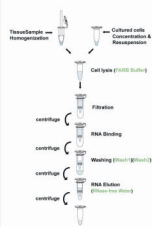
(Animal tissue/Cultured cells/ Bacteria/ Yeast)



Features

- **High Purity:** OD 260/280: 1.9-2.1
- **Save Use:** It is not necessary to treat the sample with harmful organic solvents such as phenol and chloroform.
- **Time saving:** Purification of high quality RNA from 25 mg of animal tissues about 40-60 minutes depending upon the sample type.

Tissue Total RNA



Specifications

Sample: 25mg fresh animal tissue,
Up to 1×10^7 animal cultured cells,
Up to 1×10^9 bacterial cultured cells,
Up to 5×10^7 Yeast cells.

Binding Capacity: Up to 100µg total RNA

Expected Yield : Up to 40µg total RNA

Operation Time: About 40-60 minutes

Order Information

Cat. No.	Product Name	Size
FATRK 001 FATRK 001-1 FATRK 001-2	FavorPrep™ Tissue Total RNA Purification Mini Kit	50 preps 100 preps 300 preps

Kit Component

FARB Buffer Wash Buffer 1 Wash Buffer 2(cocnc.)
RNase-Free Water FARB Columns
2ml Tubes (for collection) 1.5ml Tubes (for Elution)
Micropestles (RNase Free)

Tissue Total RNA Extraction Maxi Kit

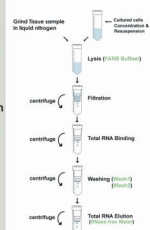
(Animal tissue/Cultured cells/ Bacteria/ Yeast)



Features

- **High Purity:** OD 260/280: 1.9-2.1
- **Save Use:** It is not necessary to treat the sample with harmful organic solvents such as phenol and chloroform.
- **3. Time saving:**
 - Mini:** Purification of high quality RNA from 25mg of animal tissues about 40-60 minutes depending upon the sample type.
 - Midi:** Purification of high quality RNA from 100~300 mg of animal tissues about 60 minutes depending upon the sample type.
 - Maxi:** Purification of high quality RNA from 0.5~1g of animal tissues about 60 minutes depending upon the sample type.

Tissue Total RNA Maxi



Order Information

Cat. No.	Product Name	Size
FATRK 003 FATRK 003-1	FavorPrep™ Tissue Total RNA Purification Maxi Kit	10 preps 24 preps

Kit Component			
FARB Buffer	Wash Buffer 1	Wash Buffer 2 (cocnc.)	
RNase-Free Water	FARB Maxi Columns		
50 ml Elution Tubes	Filter Columns		

Specifications

Sample: 0.5~1 g fresh animal tissue,
Up to 1×10^8 animal cultured cells,
Up to 1×10^{10} bacterial cultured cells,
Up to 5×10^8 Yeast cells.

Binding Capacity: up to 2.5mg total RNA

Expected Yield : up to 1.5mg total RNA

Operation Time: About 60 minutes

Plant Total RNA Extraction Mini Kit

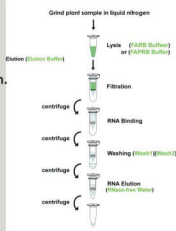
(Plant tissue/ Plant Cells/ Fungi)



Features

- **High Purity:** OD 260/280: 1.9-2.1
- **Save Use:** It is not necessary to treat the sample with harmful organic solvents such as phenol and chloroform.
- **Time saving:** 30-60 minutes depending upon the sample type.

Plant Total RNA



Order Information

Cat. No.	Product Name	Size
FAPRK 001 FAPRK 001-1 FAPRK 001-2	FavorPrep™ Plant Total RNA Purification Mini Kit	50 preps 100 preps 300 preps
FAPRK 003 FAPRK 003-1	FavorPrep™ Plant Total RNA Purification Mini Kit (for Woody Plant)	50 preps 100 preps

Mini Kit Component			
FARB Buffer	FAPRB Wash Buffer	Wash Buffer 1	Wash Buffer 2 (cocnc.)
RNase-Free Water	Filter Columns	FARB mini columns	2ml tubes (for collection)
For Woody Plant			
FARB-1 Buffer	FAPRB-2 Wash Buffer	Wash Buffer 1	Wash Buffer 2 (cocnc.)
RNase-Free Water	Filter Columns	FARB mini columns	2ml tubes (for collection)

Specifications

Sample: Up to 100mg fresh Plant tissues

Binding Capacity: Up to 100µg total RNA

Expected Yield: Up to 5~30µg total RNA from young leave

Operation Time: About 30-60 minutes

Plant Total RNA Extraction Maxi Kit

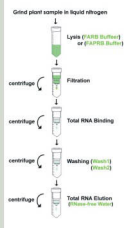
(Plant tissue/ Plant Cells/ Fungi)



Features

- **High Purity:** OD 260/280: 1.9-2.1
- **Save Use:** It is not necessary to treat the sample with harmful organic solvents such as phenol and chloroform.
- **Time saving:** 30-60 minutes depending upon the sample type.

Plant Total RNA Maxi



Specifications

Sample:	Up to 1g fresh Plant tissues
Binding Capacity:	Up to 6mg total RNA
Expected Yield :	Up to 50~300µg total RNA from young leave
Operation Time:	Within 60 minutes



Order Information

Cat. No.	Product Name	Size
FAPRK 002	FavorPrep™ Plant Total RNA Purification Maxi Kit	10 preps
FAPRK 002-1		24 preps

Kit Component

FARB Buffer FAPRB Wash Buffer Wash Buffer 1
 Wash Buffer 2(conc.) RNase-Free Water
 Filter Columns FARB Maxi columns

FavorPrep™ Viral Nucleic Acid Extraction Kit

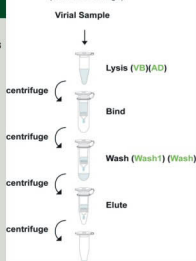


Features

- **High Purity:** Complete removal of contaminants and inhibitors for reliable downstream applications
- **High Speed:** Rapid purification of high-quality viral DNA and RNA within 30minutes
- **Safe Use:** Eliminates the use of phenol, chloroform, ethidium bromide, and cesium chloride, minimizing exposure to, and disposal of hazardous materials.
- **Scalable protocol:** Solution based procedure can be scaled to suit the application
- **Versatile:** Viral DNA can be extracted from 200µl of plasma, serum, urine, cell-culture, supernatant, or cell-free body fluids.

Brief Procedure

(in microcentrifuge)



Specifications

Sample:	200µl of serum, plasma, bodily fluids, and the supernatant of viral infected cell culture
Elution Volume:	50µl
Expected Recovery:	>90% recovery
Operation Time:	30 minutes



Order Information

Cat. No.	Product Name	Size
FAVNK 001	FavorPrep™ Viral Nucleic Acid Extraction Kit I (For low viral load specimen using carrier RNA)	50 preps
FAVNK 001-1		100 preps
FAVNK 002	FavorPrep™ Viral Nucleic Acid Extraction Kit II (Avoiding carrier RNA cross-contamination without using carrier RNA)	50 preps
FAVNK 002-1		100 preps

Kit Component

Kit I
 Carrier RNA VEN Buffer Wash Buffer 1 Wash Buffer 2 (conc.) RNase-Free Water
 VNE Columns 2ml Tube (for Collection) 1.5ml Tube (for Elution)

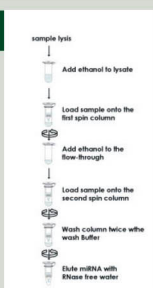
Kit II
 AD Buffer (concentrated) VNE Buffer Wash Buffer 1 Wash Buffer 2 (conc.)
 RNase-Free Water VNE Columns 2.0ml Tube (for Collection)

FavorPrep miRNA Isolation Kit



Features

- **Simple and Easy use:** It is designed for purification of small RNA with minimal contamination from large RNA molecules or genomic DNA.
- **Time saving:** The entire procedure for miRNA isolation is less than 30 minutes
- **Wide Applications:** The purified miRNA can be applied in the following applications: miRNA gene expression, miRNA quantitation, cancer markers, developmental control
- **Sample Size:** Up to 100mg tissue or 1x 10⁶ cultured cells.
- **Format:** Spin Column



Specifications

Sample:	Mammalian Cells (up to 1x 10 ⁶ cells) Mammalian Tissue (up to 5mg) Plant Tissue (up to 100mg) Yeast Cells (up to 2x 10 ⁷ cells) Bacterial Cells (up to 5x 10 ⁶ cells)
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Binding Capacity: ~1mg nucleic acid

Expected Yield: 0.5-2ug (varies)

Operation Time: Within 30 minutes



Order Information

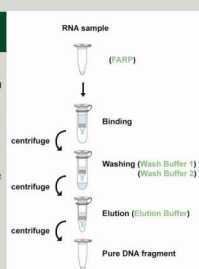
Cat. No.	Product Name	Size
FAMIK 001	FavorPrep™ miRNA Isolation Kit	100 preps
Kit Component		
Lysis Buffer	Acid Pheno Wash Buffer	RNA Column Release Buffer

FavorPrep After Tri-Reagent RNA Clean-UP Kit



Features

- **Easy and Simple Procedure:** RNA clean up can be operated directly after the chloroform extraction without isopropanol precipitation.
- **High purity:** OD260/280: 1.9~21.
- **Sample Size:** Up to 100µl of RNA sample or enzymatic reaction mixture.
- **Format:** Spin Column



Specifications

Sample: Up to 100 µl of RNA sample or enzymatic reaction mixture.

Binding Capacity: Up to 100µg

Expected Recovery : 85~95%

Operation Time: Within 10 minutes



Order Information

Cat. No.	Product Name	Size
FAATR 001	FavorPrep™ After Tri-Reagent RNA Clean Up Mini Kit	50 preps
FAATR 001-1		200 preps
Kit Component		
FARP Buffer	Wash Buffer 1	
Wash Buffer 2 (conc.)	RNase-Free Water	
FARB Mini Columns	2.0ml Tube (for Collection)	
1.5ml Tube (for Elution)		

FavorPrep Tri-RNA Reagent



Features

- **Simple and Easy use:** Single-Step for the isolation of total RNA from tissues, cells, bacteria, plants, yeasts and biological fluids.
- **Time saving:** The entire procedure for RNA isolation is less than 60 minutes
- **Wide Applications:** The purified miRNA can be applied in the following applications: RT-PCR, Northern hybridization, RNase protection, Poly-A+RNA selection, Differential display, and Micro-array assay.
- **Sample Size:** Up to 100mg tissue or 1×10^6 cultured cells.
- **Format:** Spin Column

Specifications

Sample:

10ml blood, 10mg tissue, 1×10^6 cultured cells, 1×10^2 of culture plate.
 Mammalian Cells (up to 1×10^6 cells)
 Mammalian Tissue (up to 5mg)
 Plant Tissue (up to 100mg)
 Yeast Cells (up to 2×10^7 cells)
 Bacterial Cells (up to 5×10^8 cells)

Binding Capacity:

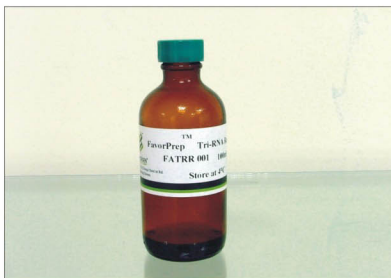
Homogenize tissue samples in 1ml tri-RNA Reagent per 50-100mg tissue using a tissue homogenizer. 1 ml of the Tri-RNA Reagent per $5-10 \times 10^6$ animal, plant or yeast cells, or per 1×10^7 bacterial cells

Expected Yield :

varies

Operation Time:

Within 60 minutes



Order Information

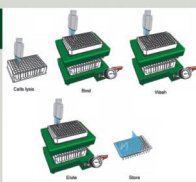
Cat. No.	Product Name	Size
FATRR 001	FavorPrep™ Tri-RNA Reagent	100ml (100 preps)

FavorPrep 96 Well Plasmid Kit



Features

- **High throughput:** It is designed for high throughput plasmid or cosmid DNA from 1-2ml of bacterial cultures. Contamination from large RNA molecules or genomic DNA.
- **High Purity:** The modified alkaline lysis method and centrifugation are used to create cleared cell lysate with minimal genomic DNA and RNA contaminants.
- **Wide Applications:** Fluorescent or radiative sequencing, Restriction Digestion, Library Screening, and Ligation and Transformation.
- **Operations:** by vacuum manifold or by centrifugation



Specifications

Sample:

1-5ml of bacterial culture

Binding Capacity:

Up to 30µg per well
 Elution Volume: 50-100µl

Expected Yield:

20-30µg of high copy plasmid
 3-10µg for low-copy plasmid

Operation Time:

Within 60 minutes



Order Information

Cat. No.	Product Name	Size
FAPWE 001	FavorPrep™ 96-Well Plasmid DNA Extraction Kit	4 preps
FAPWE 002		10 preps

Kit Component	FAPD1 Buffer	FAPD2 Buffer	FAPD3 Buffer
FAPD1 Buffer		Elution Buffer	Plasmid Plate
Wash Buffer (conc.)			0.35ml Collection Plate
			Adhesive Film
			RNase A (50mg/ml)

FavorPrep 96 Well Genomic DNA Kit



Features

- **High throughput:** It is designed for high throughput total DNA from different animal samples including blood, body fluids, tissues, mouse tails, swabs or cultured cells.
- **High Purity:** Using proteinase K and a chaotropic salt, and guanidine hydrochloride to get the purified DNA.
- **Wide Applications:** The eluted RNA is ready to use in different applications: PCR, AFLP, RFLP, Southern Blotting and Real-Time PCR
- **Operations:** by vacuum manifold or by centrifugation



Specifications

Sample: 200µl Fresh/Frozen Blood
25mg tissues
5x 10⁷-10⁷ animal cultured cells
1 x 10⁸ bacterial cultured cells

Binding Capacity: Up to 30µg per well

Elution Volume: 50-100µl

Expected Yield: 4-12µg DNA from whole blood
30-40µg from 10⁷ cultured cells
5-30µg from 25mg animal tissue

Operation Time: Within 60 minutes

Order Information

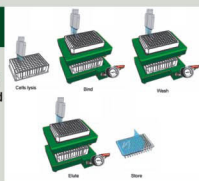
Cat. No.	Product Name	Size
FADWE 001	FavorPrep™ 96-Well Genomic DNA	4 preps
FADWE 002	Extraction Kit	10 preps
Kit Component		
FATG1 Buffer	FATG2 Buffer	W1 Buffer
Wash Buffer (conc.)	Elution Buffer	Proteinase K
96 Well Genomic DNA Binding Plates		
0.35 ml Elution Plates	Adhesive Films	

FavorPrep 96-Well Gel/PCR Clean UP DNA Kit



Features

- **High throughput:** It is designed for high throughput, rapid and economical method to purify fragmented DNA.
- **Saving Time:** The entire procedure can be completed in 30 minutes.
- **Wide Applications:** The eluted DNA is ready to use in different applications: restriction digestions, ligation, PCR and sequencing reactions.
- **Operations:** by vacuum manifold or by centrifugation



Specifications

Sample: UP to 100µl PCR product
Up to 300mg agarose gel slice

Binding Capacity: Up to 10µg per well

Elution Volume: 40-100µl

Expected Recovery Rate: 70~85% for gel extraction
90~95% for PCR clean up

DNA Size: 50bp~10Kb

Operation Time: 20 minutes for PCR Clean Up
30 minutes for Gel Extraction

Order Information

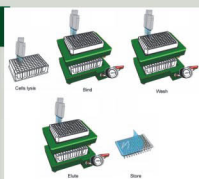
Cat. No.	Product Name	Size
FAPKE 001	FavorPrep™ 96-Well Gel/PCR Clean Up	4 preps
FAPKE 002	Purification Kit	10 preps
Kit Component		
Binding Buffer	Wash Buffer	Elution Buffer
Binding Plate	0.35ml Elution plate	
Adhesive Film		

FavorPrep 96 Well Viral DNA/RNA Extraction Kit



Features

- **High throughput:** It is designed for high throughput Viral DNA/RNA from cell-free samples as serum, plasmid body fluids and the supernatant of viral infected cell culture.
- **Wide Applications:** The eluted RNA is ready to use in different applications: PCR, RT-PCR, Real Time PCR and Real-Time RT-PCR
- **Saving Time:** The entire procedure can be completed in 40 minutes/
- **Operations:** by vacuum manifold or by centrifugation



Specifications

Sample:	Up to 200µl
Binding Capacity:	Up to 60µg per well
Elution Volume:	50-100µl
Expected Yield:	>90% recovery
Operation Time:	Within 40 minutes

Order Information

Cat. No.	Product Name	Size
FAVRE 001	FavorPrep™ 96-Well	4 preps
FAVRE 002	Viral RNA/DNA Extraction Kit	10 preps

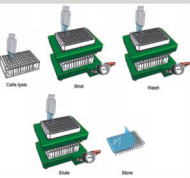
Kit Component
 VEN Buffer AD Buffer (conc.) Wash Buffer 1
 Wash Buffer 2 (conc.) RNase-Free Water
 96 Well Viral DNA/ RNA Binding Plates
 96 Well Lysis Plates 0.35 ml Elution Plates
 Adhesive Films

FavorPrep 96-Well Total RNA Kit



Features

- **High throughput:** It is designed for high throughput total RNA from animal cultured cells and bacterial cultured cells.
- **Wide Applications:** The eluted RNA is ready to use in different applications: RT-PCR, Quantitative RT-PCR, Differential Display, cDNA Synthesis, Northern Blot Analysis, Primer Extension, mRNA Selection, and Microarrays.
- **Operations:** by vacuum manifold or by centrifugation



Specifications

Sample:	5 x 105 animal tissue 1 x 10 ⁸ bacterial cultured cells 0.3-1ml fresh frozen blood
Binding Capacity:	Up to 60µg per well
Elution Volume:	50-100µl
Expected Yield:	0.5-2µg from blood sample 60µg from cultured cells
Operation Time:	Within 40 minutes

Order Information

Cat. No.	Product Name	Size
FATRE 001	FavorPrep™ 96-Well	4 preps
FATRE 002	Total RAN Kit	10 preps

Kit Component
 FARB Buffer Wash Buffer 1 Wash Buffer 2
 RNase-Free Water
 96 Well RNA Binding Plates
 0.35 ml Elution Plates Adhesive Films



Q & A: Nucleic Acid Extraction Kits

I. Re: Expired Date

Q1: How long is the shelf life for each one of nucleic acid extraction kits?

A1: kits are with Enzymes: Plasmid DNA Extraction Kits (w/RNase A)/Genomic DNA Extraction Kits (w/Proteinase K or Protease)

Please tell your customer the expired date is production date plus 12 months. For example, the expired date for the Lot Number 08060001 should be June 30, 2009. Kit with enzymes are suitable for at least 1 year after delivery when stored at room temperature 15-25°C. For storage longer than 1 year or if ambient temperature often exceed 25°C, please suggest users to take out the enzymes to store the enzymes at 2-8°C (or for longer life at -20°C).

kits are without Enzymes: Total RNA Extraction Kits/Gel Purification Kits /PCR Clean up Kits /GEL-PCR Purification Kits/Viral RNA-DNA Extraction kits

Please tell your customer the expired date is production date plus 24 months. For example, the expired date for the Lot Number 08060001 should be June 30, 2010

II. Re: Storage Condition

Q2: The label states that 'Storage: Be stored at Room temperature (15-25°C), RNase A should be kept at -20°C upon receipt' Not only RNase A but also Proteinase K, Carrier RNA or some other buffers need to be stored at specific temperature. The question is can we leave at room temperature (15-25 degree) before we open the extraction kits (use the extraction kit)?

A2: The whole kit has better to be kept at 15-25°C. The components, Proteinase K and RNase A need to be stored at 2-8°C (for longer life at -20°C). If the distributors wants to stock the kits, he can keep the whole kit with the special components at 15-25°C without any problem. If the distributors don't tear off the Seal Label, don't open the kit and store the kit at the correct environment, the kits could have the shelf life as long as we announce. When the kit is sold to the users, please ask them to take the special components out from the box to keep at 2-8°C (for longer life at -20°C); especially, they have used these components.

III. Re: Plasmid DNA Extraction Kit

Q3: In the market, some Plasmid DNA Extractions are equipped with Silica Gel, but some kits are equipped with the silica membrane. What are the differences between these two systems? How should we suggest users to make correct selection?

A3:(1) Silica Gel (Ion Exchange) and Silica Membrane are two different systems. Both of them can exist at same time. There is no need to replace each other. You can suggest your customer to make the best collection according to their need and budget.

(2) Silica Gel (Ion Exchange) and Silica Membrane had different features. Please suggest your customers to make selection based on the features.

A. Silica Gel (Ion Exchange):

<a>: Advantage: It can purify higher Plasmid DNA from a large scale of sample. (ratio > 1.8) If the users repeat to purify the same DNA, they can reuse the extraction columns. And then, the cost would be more economic.

****: Disadvantage: Comparing to Silica Membrane, the silica gel needs longer operation time.

B. Silica Membrane

<a>: Advantage: Shorter operation time and less expensive than the silica gel.

****: Disadvantage: Comparing to silica gel, the purity is much lower.

Q4: Does Favorgen have the extraction kits with silica gel (ion exchange)?

A4: Favorgen Plasmid DNA Extraction Mid/Maxi Kit with Ion Exchange

Q5: What are the differences between Plasmid DNA Maxi Kit (FAFDE 003) and Filter Plasmid DNA Extraction Maxi Kit (FAFTE 001)? Can filter plasmid DNA extraction kit process larger sample or get higher purified products?

A5: Actually, two kits have the same yield rate, sample size, and purity. The only one difference between these two kits is the operation procedure.

For Plasmid DNA Extraction Maxi Kit (FAFDE 003), user needs to centrifuge after the cell lysis. But, Filter Plasmid DNA Extraction Maxi Kit (FAFTE 001) equipped with a syringe can save the centrifuge step. Comparing with FAFDE 003, FAFTE 001 can save 20-30 minutes. Total operation procedure can be done around 100 minutes.

IV. Re: GEL/PCR Purification Kit

Q6: What difference is there between GEL Purification Kit (FAGPK) and GEL/PCR Purification Kit (FAGCK)?

A6: Favorgen Gel + PCR 2 in 1 purification kit is designed especially for the convenient/quick check. Based on this kit, users use buffer at a specific fixed volume, no matter how much sample is loaded. But Favorgen Gel Purification Kit or PCR Clean up Kit asks the user to use buffer depending the sample size. Larger samples needs buffer at larger volume. Of course, by the correct buffer volume, the user will get the higher yield rate and higher purity than the users use the Gel/PCR Purification (2 in 1) Kit. If users want to have the same yield rate or purity from Gel/PCR 2 in 1 purification kit same as he get from Gel Purification Kit or PCR Clean up Kit, please suggest them to follow up the protocol of the Gel or PCR purification kit. But by doing this, the buffer will used up more quickly than the spin columns do... In the other words, the kit will leave some columns when the buffer is used up. However, please let your users know that Gel+PCR 2 in 1 purification kit doesn't have the same yield rate and purity as the Gel or PCR purification kit. If they ask strictly about the yield rate or purity, please do suggest them to buy the Gel or PCR purification kit.

P. S.: Explanation for the price difference between GEL Purification Kit (FAGPK) and GEL/PCR Purification Kit (FAGCK)

Lysis Buffer 240ml for 300 preparations of Favorgen Gel/ PCR 2 in 1 purification kit

Lysis Buffer 250ml for 200 preparations of Gel Purification Kit or PCR Clean up Kit.

The cost of Lysis Buffer is very expensive. Cost of Lysis Buffer shares a lot portion.

Q7: What is the different between FAGCK001 and FAEPK001 Kit (Gel/PCR purification kit)?

A7: FAEPK001 can obtain 10ul high concentration of DNA for further experiment.

Q8: Do you have a kit for gel extraction of bands 20kb or more? What is the minimum size that the gel purification kit be used with (eg. 53bp band)

A8: The yield rate for DNA size at 700bp ~12Kb extracted by FavorPrep Gel Purification Kit is very good. The DNA band at 20kb or 53bp also can be extracted by this kit, but its yield rate is very low.

V. Re: Genomic DAN Extraction Kit

Q9: Favorgen Blood Genomic Extraction kits use different enzymes. What is the difference between these enzymes?

A9: The following message is very important for your promoting Favorgen Blood Genomic Extraction Kits. Please let your sales know.

Comparison between Qlagen Favorgen about Blood Genomic Extraction Kits

FABGK 001 & FABGK 001-1 FavorPrep™ Blood Genomic DNA Extraction Mini Kit,

FABGK 003 & FABGK 003-1 FavorPrep™ Blood Genomic DNA Extraction Maxi Kit

with Proteinase K

1. Proteinase K can be used for frozen blood, fresh blood or dried blood.

2. Proteinase K is much more expensive than Lysis Buffer or Protease

3. Proteinase K has a short operation time: Breaking cell more quickly than using by Protease or Lysis buffer

4. Proteinase K can get a higher purity

5. Proteinase K has more wide applications than Protease and Lysis Buffer

FABGK 003-3 & FABGK 003-4 FavorPrep™ Blood Genomic DNA Extraction Maxi Kit

Product Name	Recommended Culture Volume		Expected Yield
	High Copy Plasmid	Low Copy Plasmid	
Plasmid DNA Midi Kit	100-200µg	25-100µg	up to 200µg
Plasmid DNA Maxi Kit	300-500µg	50-250µg	up to 500µg
Filter Plasmid DNA Maxi Kit	300-500µg	50-250µg	up to 500µg

	Qlagen	Favorgen
Blood Genomic Extraction Mini Kit	Kit using Proteinase K	Kit using Proteinase K Kit using RBC Lysis Buffer
Blood Genomic Extraction Maxi Kit	Kit using Proteinase	Kit using Protease Kit using Proteinase K

FABGK 004 & FABGK 004-1 FavorPrep™ Blood Genomic DNA Extraction Mini Kit

with Lysis Buffer

1. Lysis buffer only can be used for fresh blood.

2. Lysis buffer is cheaper than Proteinase K and Protease

3. Lysis buffer needs a longer operation time than Proteinase K or Protease: Lysis buffer can't break cell directly. In the procedure, the users have to add one solution to break cell. Therefore, the operation time is much longer than Proteinase K or Protease.

4. The yield rate and purity of Lysis Buffers lower than Proteinase K or Protease, but it is much cheaper.

Q10: Re: Tissue Genomic DNA Extraction Mini Kit (FATGK) Time for completing the whole procedure ranges from an hour to two hours. Which sample requests the longest time for the treatment?

A10: The sample contains more connective tissues, the longer operation time it takes. Please see the examples as follows:

Longer operation time: 1). Mouse Tail, 2). Lung, 3). Heart, and 4). Muscle Shorter operation time: 1). Liver, 2) Brain, 3). Kidney, 4). Blood, 5). Buffy coat, 6). Cultured cells, and 7). Bacterial cells

Q11: Can FavorPrep Tissue Genomic DNA Extraction Kit be used for extraction of DNA from Tracheal swabs?

A11: FavorPrep Tissue Genomic DNA Kit can be used for extraction of DNA from Tracheal swabs. But we need to add some steps onto the protocol for getting the tissue from the swab correctly. Upon receipt of your confirmation, we will send you a revised protocol for the FavorPrep Tissue Genomic DNA Extraction Kit to do DNA extraction from Tracheal swabs.

Q12: Do you have any kits for the extraction as below.

1. DNA from Dry blood spots

2. RNA from dry blood spots

3. DNA from breast milk

4. RNA from breast milk

A12:

(1) Favorgen Cat No: FATGK 001/002 (Tissue Genomic DNA Mini Kit) is adaptable for DNA extraction from dried blood spot & breast milk.

Please refer to the protocol of FATGK 001/002. You can find the operation procedure for DNA extraction from the dried blood spot. We still can use this kit of FATGK 001/002 for DNA extraction from breast milk, but we will provide a new protocol for this operation procedure in case of need from customers.

(2) Favorgen Cat No: FABRK 001, 001-1 (Blood/Cultured Cell Total Mini Kit) is adaptable for RNA extraction from dried blood spot & breast milk.

But the yield of RNA will depend on the sample stability and storage condition. If you want to proceed these sample (dried blood & breast milk) to extract RNA, we have to offer this two special protocols

Q13: Tissue Genomic DNA extraction mini-kit (FATGK) can use for extract DNA from FFPE. Is it necessary to de-paraffin beforehand?

A13: Yes, it is necessary to de-paraffin beforehand. Generally, there are two types of samples as below.

I. For paraffin-embedded tissues

1. Cut up to 25 mg paraffin-embedded tissue sample to a microcentrifuge tube (not provided).

2. Add 1 ml xylene, mix well and incubate at room temperature for 30 min. Centrifuge at full speed for 5 min. Remove the supernatant by pipetting. Add 1 ml ethanol (96 ~ 100%) to the deparaffined tissue, mix gently by vortexing.

3. Centrifuge at full speed for 5 min. Remove the supernatant by pipetting.

4. Add 1 ml ethanol (96 ~ 100%) to the deparaffined tissue, mix gently by vortexing.

5. Centrifuge at full speed for 5 min. Remove the supernatant by pipetting.

6. Incubate at 37°C for 10 min to evaporate ethanol residue.

7. Grind the tissue sample by micropestle or liquid nitrogen and follow the General Protocol starting from step 2.

II. For formalin-fixed tissues

1. Wash 25mg tissue sample twice with 1 ml PBS to remove formalin.

2. Grind the tissue sample by micropestle or liquid nitrogen and follow the General Protocol starting from step 2.

VI. Re: Total RNA Extraction Kit

Q14: Re: Tissue Total RNA Purification Kit (FATRK). 1) How much Genome DNA contamination is observed after using Tissue Total RNA (kit) 2. When they need higher purified product, do you recommend using TRISure? (Of course, on catalog, it is mentioned that extracted total RNA is suitable for direct use of various downstream application. But, the customer is currently using TRIzol to further purify total RNA. In my understanding, on Favorgen's catalog, there is Tri-RNA Reagent (FATRE001) which is quite similar to TRIzol. Is it possible to use Tri-RNA Reagent to further purify total RNA after the extraction?)

A14: 1. Genomic DNA can't be observed in Gel. Its OD value is same as RNA's OD. All kits will get the same result. The Genomic DNA always still exist after the RNA purification. Favorgen Total RNA Purification Kit is very good to get the lowest Genomic DNA contamination. If you need the Genomic DNA free, you have to use the DNase I to clear up all of the Genomic DNA contamination. 2. Tri-RNA Reagent is similar to your TRIzol. Actually, these products can purify a large sample to get higher yield but can't get higher purity. If you want to have higher purity, you recommend FavorPrep After-Tri-Reagent RNA Clean Up Kit to have higher purity after Tri-Reagent or TRIzol.

Q15: Re: Plant Total RNA Mini kit (for Woody Plant) (FAPRK003). What is the difference between Plant Total RNA Mini kit? What kind of samples can we use for FAPRK003? If you could provide some example of the usage, that would help.

A15: Our FAPRK 003 & 003-1 is specially designed for the plant with many fibers, such as the Palm, Fruit Tress (Apple). This kit needs one more step than FAPRK FAPRK 001 or 002 to deal with the fiber.

Q16: Re: Total RNA Extraction kit. Is DNase I included in the kit? My customer needs the DNase I for the Total RNA Extraction Kit.

A16: So far, all of Favorgen RNA mini kit doesn't include DNase I. The price for the RNA mini kit doesn't include DNase I. The reason why we don't include DNase I in the kit is because DNase I has to be stored at -20. Actually we provide the DNase I for all of RNA kits.

Favorgen RNA Extraction Kit doesn't include DNase I. But we can offer the DNase I for the customers. User needs to buy DNase I separately. 1 reaction needs 3 units of DNase I. Therefore, if you buy a kit with 50 reactions, you need to buy additional 3 vials of DNase I (500ul), total 1,500units.

VII. Re: Viral RNA/DNA Extraction Kit

Q17: What is the difference between Viral Nucleic Extraction Kit I and Kit II?

A17: Kit I is specially design for low viral load specimen. Kit II is specially designed to avoid carrier RNA cross-contamination. If you users adopt the Qiagen's format, please suggest Favorgen Viral Nucleic Extraction Kit I for them to replace.

Q18: May I know which viral nucleic acid extraction kit, I or II, is more suitable to extract RNA for HCV PCR detection? What is the benefit of carrier RNA in the kit?

A18: Both of two kits are suitable to extract RNA for HCV PCR detection. Kit I is specially designed for low viral load specimen. Kit II is specially designed to avoid carrier RNA cross-contamination. So, when the titer is very low, we need carrier RNA in the kit.

VIII. Re: After Tri-RNA Extraction Kit

Q19: Is Favor Tri-RNA reagent suitable for wide range of samples e.g. blood, serum, plasma, body fluid, urine and cornea or please suggest a kit?

A19:

(1). Yes, Favor-Tri-RNA reagent is suitable for wide range. But this reagent can not get a very good purity. So, we suggest that if you want to get high purity, you need to use Favorgen After-Tri-Reagent RNA Extraction Kit. Please refer to the attachment.

(2). Meanwhile, we recommend FavorPrep Blood/Cultured Cell Total RNA Purification Min & Max kit. This kit can be used widely and also can get high purity.

IX. Re: Collection Tubes

Q20: Re: Tubes. Is it possible for user to use the collection tubes as the regular tubes in his daily experiment?

A20: No. The collection tubes in the kit are specially designed for collection of flow-through columns. It is not for the centrifugation in the lab.



Nucleic Acids Extraction

Spin Column System

1.1 Column System: Plasmid DNA

Cat. No.	Product Name	Content	Storage Temperature
FAPDE 001	FavorPrep™ Plasmid DNA Extraction Mini Kit	Qty: 100preps. Yield: up to 30µg of high-copy plasmids	15-25°C
FAPDE 001-1	FavorPrep™ Plasmid DNA Extraction Mini Kit	Qty: 300preps. Yield: up to 30µg of high-copy plasmids	15-25°C
FAPDE 002	FavorPrep™ Plasmid DNA Extraction Midi Kit	Qty: 25preps. (Ion Exchange, High Yield/Purity)	15-25°C
FAPDE 002-1	FavorPrep™ Plasmid DNA Extraction Midi Kit	Qty: 50preps. (Ion Exchange, High Yield/Purity)	15-25°C
FAPDE 002-EF	FavorPrep™ EndoToxinFree Plasmid DNA Extraction Midi Kit	Qty: 10preps. (Ion Exchange, High Yield/Purity)	15-25°C
FAPDE 003	FavorPrep™ Plasmid DNA Extraction Maxi Kit	Qty: 10preps. (Ion Exchange, High Yield/Purity)	15-25°C
FAPDE 003-1	FavorPrep™ Plasmid DNA Extraction Maxi Kit	Qty: 20preps. (Ion Exchange, High Yield/Purity) Yield up to 1mg	15-25°C
FAPDE 003-EF	FavorPrep™ EndoToxinFree Plasmid DNA Extraction Maxi Kit	Qty: 10preps. (Ion Exchange, High Yield/Purity)	15-25°C
FAFTE 001	FavorPrep™ FavorFilter Plasmid DNA Extraction Maxi Kit	Qty: 4preps. (Ion Exchange, High Yield/Purity)	15-25°C
FAFTE 001-1	FavorPrep™ FavorFilter Plasmid DNA Extraction Maxi Kit	Qty: 10preps. (Ion Exchange, High Yield/Purity)	15-25°C
FAFTE 001-EF	FavorPrep™ FavorFilter Extraction Free Plasmid DNA Extraction Maxi Kit	Qty: 4preps. (Ion Exchange, High Yield/Purity)	15-25°C

1.2 Column System: DNA Clean UP

Cat. No.	Product Name	Content	Storage Temperature
FAGCK 001	FavorPrep™ GEL/PCR Purification Mini Kit	Qty: 100preps.	15-25°C
FAGCK 001-1	FavorPrep™ GEL/PCR Purification Mini Kit	Qty: 300preps.	15-25°C
FAPCK 001	FavorPrep™ PCR Clean-Up Mini Kit	Qty: 50preps.	15-25°C
FAPCK 001-1	FavorPrep™ PCR Clean-Up Mini Kit	Qty: 200preps.	15-25°C
FAGPK 001	FavorPrep™ GEL Purification Mini Kit	Qty: 50preps.	15-25°C
FAGPK 001-1	FavorPrep™ GEL Purification Mini Kit	Qty: 200preps.	15-25°C
FAMPK 001	FavorPrep™ MicroElute PCR Clean Up Kit	Qty: 50preps.	15-25°C
FAMPK 001-1	FavorPrep™ MicroElute PCR Clean Up Kit	Qty: 200preps.	15-25°C
FAMGK 001	FavorPrep™ MicroElute GEL Purification Kit	Qty: 50preps.	15-25°C
FAMGK 001-1	FavorPrep™ MicroElute GEL Purification Kit	Qty: 200preps.	15-25°C
FAEPK 001	FavorPrep™ MicroElute GEL/PCR Purification Kit	Qty: 50preps.	15-25°C
FAEPK 001-1	FavorPrep™ MicroElute GEL/PCR Purification Kit	Qty: 200preps.	15-25°C

1.3 Column System: Genomic DNA---1. Blood Genomic

Cat. No.	Product Name	Content	Storage Temperature
FABGK 001	FavorPrep™ Blood Genomic DNA Extraction Mini Kit (for wide applications and simple procedure)	Qty: 50preps. Proteinase K Powder	15-25°C
FABGK 001-1	FavorPrep™ Blood Genomic DNA Extraction Mini Kit (for wide applications and simple procedure)	Qty: 100preps. Proteinase K Powder	15-25°C
FABGK 001-1	FavorPrep™ Blood Genomic DNA Extraction Mini Kit (for wide applications and simple procedure)	Qty: 300preps. Proteinase K Powder	15-25°C
FABGK 100	FavorPrep™ Blood Genomic DNA Extraction Mini Kit	Qty: 100preps.	15-25°C
FABGK 300	FavorPrep™ Blood Genomic DNA Extraction Mini Kit	Qty: 300preps.	15-25°C

1.3 Column System: Genomic DNA---2. Tissue Genomic

Cat. No.	Product Name	Content	Storage Temperature
FATGK 001	FavorPrep™ Tissue Genomic DNA Extraction Mini Kit	Qty: 50preps. Proteinase K Powder	15-25°C
FATGK 001-1	FavorPrep™ Tissue Genomic DNA Extraction Mini Kit	Qty: 100preps. Proteinase K Powder	15-25°C
FATGK 001-2	FavorPrep™ Tissue Genomic DNA Extraction Mini Kit	Qty: 300preps. Proteinase K Powder	15-25°C

1.3 Column System: Genomic DNA---3. Plant Genomic

Cat. No.	Product Name	Content	Storage Temperature
FAPGK 001	FavorPrep™ Plant Genomic DNA Extraction Mini Kit	Qty: 50preps.	15-25°C
FAPGK 001-1	FavorPrep™ Plant Genomic DNA Extraction Mini Kit	Qty: 100preps.	15-25°C
FAPGK 002	FavorPrep™ Plant Genomic DNA Extraction Maxi Kit	Qty: 10preps.	15-25°C
FAPGK 002-1	FavorPrep™ Plant Genomic DNA Extraction Maxi Kit	Qty: 24preps.	15-25°C

1.3 Column System: Genomic DNA---4. Stool Genomic

Cat. No.	Product Name	Content	Storage Temperature
FASTI 001	FavorPrep™ Stool DNA Isolation Mini Kit	Qty: 50preps. Proteinase K	15-25°C
FASTI 001-1	FavorPrep™ Stool DNA Isolation Mini Kit	Qty: 100preps. Proteinase K	15-25°C

1.3 Column System: Genomic DNA---5. Soil Genomic

Cat. No.	Product Name	Content	Storage Temperature
FASOI 001	FavorPrep™ Soil DNA Isolation Mini Kit	Qty: 50preps.	15-25°C
FASOI 001-1	FavorPrep™ Soil DNA Isolation Mini Kit	Qty: 100preps.	15-25°C
FASOI 002	FavorPrep™ Soil DNA Isolation Midi Kit	Qty: 24preps.	15-25°C

1.4 Column System: Total RNA—1. Blood RNA

Cat. No.	Product Name	Content	Storage Temperature
FABRK 001	FavorPrep™ Blood /Cultured Cell Total RNA Mini Kit	QTY: 50preps.	15-25°C
FABRK 001-1	FavorPrep™ Blood /Cultured Cell Total RNA Mini Kit	QTY: 100preps.	15-25°C
FABRK 001-2	FavorPrep™ Blood /Cultured Cell Total RNA Mini Kit	QTY: 300preps.	15-25°C
FABRK 003	FavorPrep™ Blood /Cultured Cell Total RNA Maxi Kit	QTY: 10preps.	15-25°C
FABRK 003-1	FavorPrep™ Blood /Cultured Cell Total RNA Maxi Kit	QTY: 24preps.	15-25°C

1.4 Column System: Total RNA—2. Tissue RNA

Cat. No.	Product Name	Content	Storage Temperature
FATRK 001	FavorPrep™ Tissue Total RNA Mini Kit	QTY: 50preps.	15-25°C
FATRK 001-1	FavorPrep™ Tissue Total RNA Mini Kit	QTY: 100preps.	15-25°C
FATRK 001-2	FavorPrep™ Tissue Total RNA Mini Kit	QTY: 300preps.	15-25°C
FATRK 003	FavorPrep™ Tissue Total RNA Maxi Kit	QTY: 10preps.	15-25°C
FATRK 003-1	FavorPrep™ Tissue Total RNA Maxi Kit	QTY: 24preps.	15-25°C

1.4 Column System: Total RNA—3. Plant RNA

Cat. No.	Product Name	Content	Storage Temperature
FAPRK 001	FavorPrep™ Plant Total RNA Mini Kit	QTY: 50preps.	15-25°C
FAPRK 001-1	FavorPrep™ Plant Total RNA Mini Kit	QTY: 100preps.	15-25°C
FAPRK 001-2	FavorPrep™ Plant Total RNA Mini Kit	QTY: 300preps.	15-25°C
FAPRK 002	FavorPrep™ Plant Total RNA Maxi Kit	QTY: 10preps.	15-25°C
FAPRK 002-1	FavorPrep™ Plant Total RNA Maxi Kit	QTY: 24preps.	15-25°C
FAPRK 003	FavorPrep™ Plant Total RNA Mini Kit(for Woody Plant)	QTY: 50preps.	15-25°C
FAPRK 003-1	FavorPrep™ Plant Total RNA Mini Kit(for Woody Plant)	QTY: 100preps.	15-25°C

1.4 Column System: Total RNA—4. Viral RNA/DNA

Cat. No.	Product Name	Content	Storage Temperature
FAVNK 001	FavorPrep™ Viral Nucleic Acid/Extraction Kit I (for low viral load specimen using carrier RNA)	QTY: 50preps. Carrier RNA	15-25°C
FAVNK 001-1	FavorPrep™ Viral Nucleic Acid/Extraction Kit I (for low viral load specimen using carrier RNA)	QTY: 100preps. Carrier RNA	15-25°C
FAVNK 001-2	FavorPrep™ Viral Nucleic Acid/Extraction Kit I (for low viral load specimen using carrier RNA)	QTY: 300preps. Carrier RNA	15-25°C
FAVNK 002	FavorPrep™ Viral Nucleic Acid/Extraction Kit II (evolving carrier RNA cross-contamination without using carrier RNA)	QTY: 50preps. VB Lysis Buffer	15-25°C
FAVNK 002-1	FavorPrep™ Viral Nucleic Acid/Extraction Kit II (evolving carrier RNA cross-contamination without using carrier RNA)	QTY: 100preps. VB Lysis Buffer	15-25°C
FAVNK 002-2	FavorPrep™ Viral Nucleic Acid/Extraction Kit II (evolving carrier RNA cross-contamination without using carrier RNA)	QTY: 300preps. VB Lysis Buffer	15-25°C

1.5 Column System: After Tri-Reagent

Cat. No.	Product Name	Content	Storage Temperature
FAATR 001	FavorPrep™ RNA Purification Mini Kit (After Trizol Reagent)	QTY: 50preps.	15-25°C
FAATR 001-1	FavorPrep™ RNA Purification Mini Kit (After Trizol Reagent)	QTY: 200preps.	15-25°C

96 Well Plate System

2. 96-Well System

Cat. No.	Product Name	Content	Storage Temperature
FAPWE 001	FavorPrep™ 96-well Plasmid DNA Extraction Kit	QTY: 4plates	15-25°C
FAPWE 002	FavorPrep™ 96-well Plasmid DNA Extraction Kit	QTY: 10plates	15-25°C
FADWE 001	FavorPrep™ 96-well Genomic DNA Extraction Kit	QTY: 4plates	15-25°C
FADWE 002	FavorPrep™ 96-well Genomic DNA Extraction Kit	QTY: 10plates	15-25°C
FAPKE 001	FavorPrep™ 96-well GE/PCR Clean Up Purification Kit	QTY: 4plates	15-25°C
FAPKE 002	FavorPrep™ 96-well GE/PCR Clean Up Purification Kit	QTY: 10plates	15-25°C
FATRE 001	FavorPrep™ 96-well Total RNA Kit	QTY: 4plates	15-25°C
FATRE 002	FavorPrep™ 96-well Total RNA Kit	QTY: 10plates	15-25°C
FAVRE 001	FavorPrep™ 96-well Viral RNA/DNA Extraction Kit	QTY: 4plates	15-25°C
FAVRE 002	FavorPrep™ 96-well Viral RNA/DNA Extraction Kit	QTY: 10plates	15-25°C

Magnetic Beads System

3 Magnetic Bead System

Cat. No.	Product Name	Content	Storage Temperature
FAMVK 001	FavorBead™ Viral DNA/RNA Kit	QTY: 48prns.	15-25°C
FAMGK 001	FavorBead™ Genomic DNA Kit	QTY: 48prns.	15-25°C
FAMPK 001	FavorBead™ Plasmid DNA Kit	QTY: 48prns.	15-25°C
FARK 001	FavorBead™ Total RNA Kit	QTY: 48prns.	15-25°C
FAMMIR 001	FavorBead™ miRNA Isolation Kit	QTY: 48prns.	15-25°C
FAMGP 001	FavorBead™ Gel/PCR Fragments Kit	QTY: 48prns.	15-25°C

4 Reagents System

Cat. No.	Product Name	Content	Storage Temperature
FANUC 001	FavorPrep™ Nucarrier	Volume: 500µl Applications: 100	4 °C
FATR 001	Tri-RNA Reagent	Volume: 100ml	4 °C
FARSS 001	RNA Stabilization Solution	Volume: 100ml	4 °C
FAMIK 001	miRNA Isolation Kit	Rns: 100	4 °C