

Favorgen Product Guide 2025

DNA/RNA Extraction Kits

Molecular Biology Reagents

Plastic Consumables

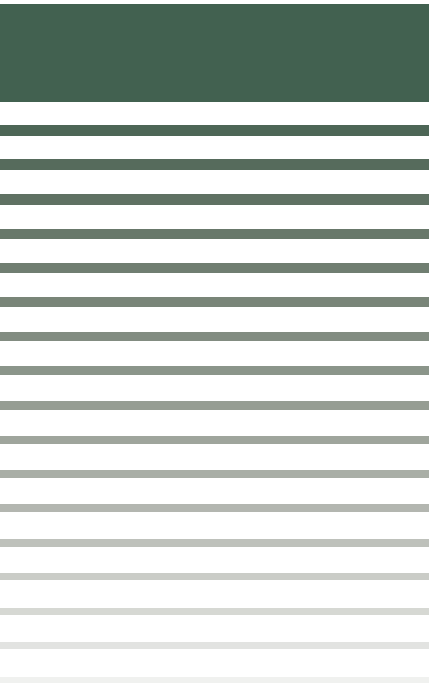
Customer Service

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About Favorgen

Who We Are

FAVORGEN is a biotechnology company established in 2004 by world-class scientists and entrepreneurs dedicated to innovation and fully committed to R&D. Our products are active in 20+ countries with headquarters in Taiwan.

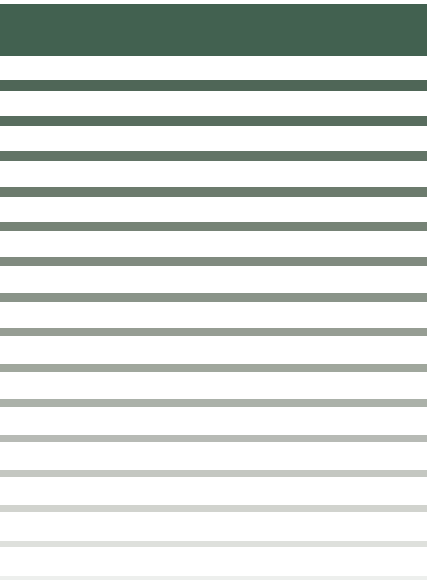


Our Mission

Our mission is to deliver the highest quality of biotechnology products with integrity. FAVORGEN is a regional pioneer in both the development and manufacturing of nucleic acid extraction kits.

Our engineers carefully curate FAVORGEN kits. We manufacture all our kit components in our facilities under their constant supervision. Our team offers the best attention and technical support, because we create, understand, and physically attend to every aspect of our product's functioning and manufacturing.

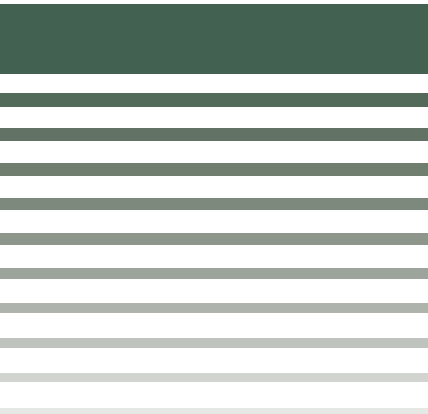
We are constantly developing new technology to make a valuable and fair headway in research.



Our Product

FAVORGEN's product line focuses on molecular biology kits, reagents, and plastic consumables. Our products have academic and industrial applications. They are also meant for work in life science research, and molecular biology. Our products are used in genetic analysis, PCR & RT-PCR amplification, molecular cloning, next-generation sequencing, and *in vitro* diagnostics.

We offer constant support and information. Our kits provide shorter distribution times and the highest quality. Users feel confident working with our kits because they employ the best quality enzymes and chemicals used in diagnostic tests to guarantee excellent extraction results.



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Favorgen™ High Efficiency (HE) Mini Kit

Create an excellent result for your applications

Favorgen™ HE Mini Kit – Unleash Efficiency, Elevate Purity!

High Efficiency – Enhanced Outcomes, Less Effort!

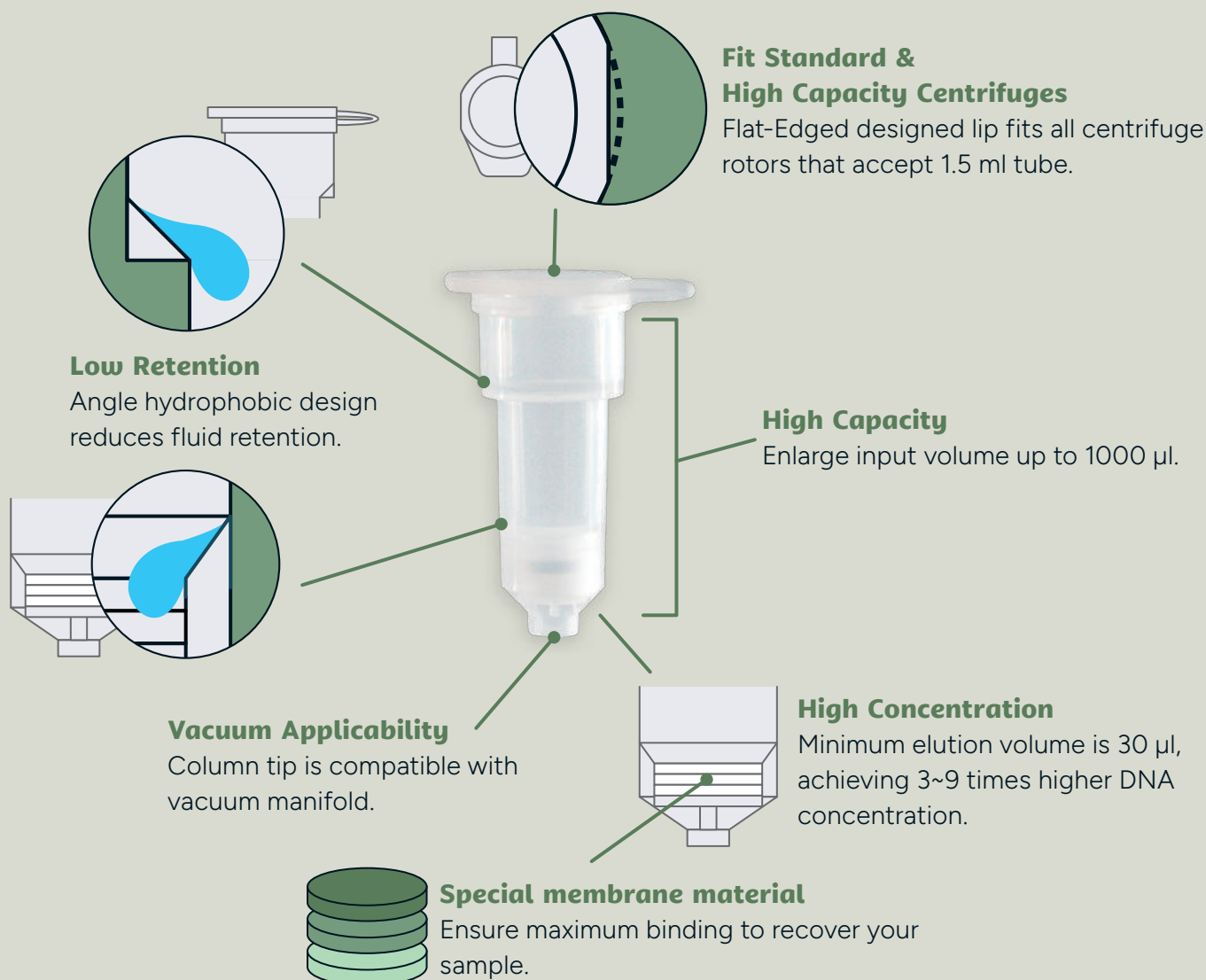
- Fast and streamlined extraction process, economical with time and effort.
- Delivering high-yield nucleic acid even from the demanding samples.
- Available in multiple formats to perfectly match your sample type.

Ultimate Purity – Reliable Results, You Can Trust!

- Advanced design of HE Columns eliminates buffer retention to avoid the risk of salt contamination and obtain highly concentrated nucleic acid.
- Distinct buffer system efficiently removes PCR inhibitors, producing high-purity nucleic acids for downstream applications.

Column	Favorgen HE Mini Kit	Conventional Mini Kit
Sample Input	1~5×	1×
Column Volume	1000 µl	600~700 µl
Elution Volume	≤ 30 µl	50~100 µl
Typical Conc.	3~9×	1×
Typical Yield	1.5~6×	1×

HE Column characteristic



FavorPrep™ Tissue Genomic DNA Extraction HE Mini Kit



Description

The FavorPrep™ Tissue Genomic DNA Extraction HE (High Efficiency) Mini Kit is an efficient tool to rapidly extract pure, high-concentration genomic DNA from various specimen types, including frozen/fresh tissues, cultured cells, bacteria, fixed tissue, yeast, etc. The distinctive FATG HE Column allows to enlarge sample input and reduce elution volume to obtain both higher eluted DNA concentration and yield. The washing steps efficiently remove contaminants, inhibitors and salts to provide excellent OD 260/230 ratio. The purified DNA is ready for use in multiple applications, including PCR, qPCR, cloning, DNA sequencing, and library preparation for NGS.

Features

Highly efficient: Delivering high-yield genomic DNA even from the demanding samples.

Versatile: Extraction of genomic DNA from various samples.

Yield Concentrate DNA: Obtain highly concentrated DNA in minimum elution volume.

Applications

PCR; real-time PCR; Southern blotting; microarray; NGS.

Specifications

Format/Principle: Spin column (silica matrix)

Binding Capacity: ≤ 125 µg DNA/Column

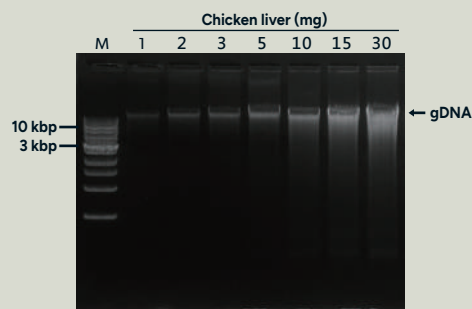
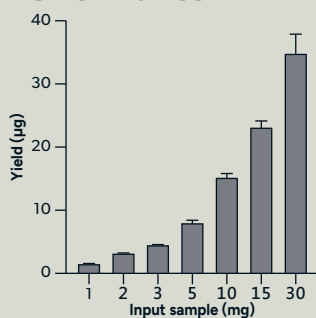
Operation Time: < 45 mins

Sample Size: ≤ 30 mg Tissue

Typical Yield: 30 µg

Elution Volume: 30 µl

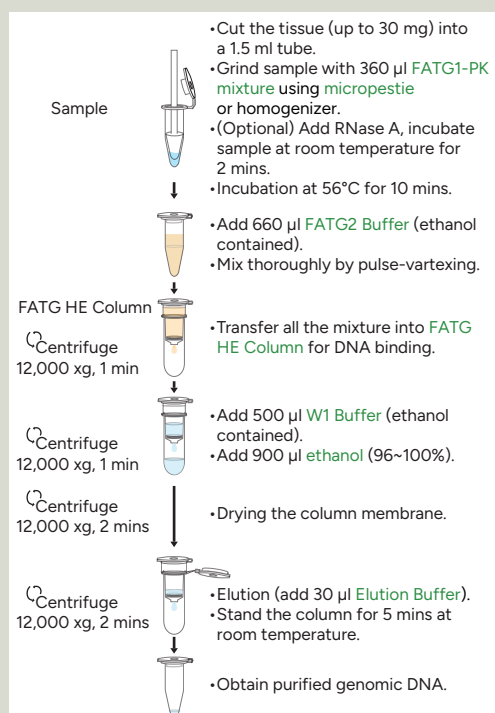
Performance



High yield and integrity gDNA obtained from varying input weights of chicken liver tissue using the FATG103.

Ordering Information

Cat. No.	Product Name	Size	Contents
FATG1033 FATG1034	FavorPrep™ Tissue Genomic DNA Extraction HE Mini Kit	50 preps 100 preps	FATG1 Buffer FATG2 Buffer W1 Buffer (Concentrate) Proteinase K (Liquid) Elution Buffer FATG HE Columns Collection Tubes Elution Tubes Micropestles



FavorPrep™ Blood Genomic DNA Extraction HE Mini Kit



Description

The FavorPrep™ Blood Genomic DNA Extraction HE (High Efficiency) Mini Kit is designed for efficiently isolate pure, high-yield, high-concentration, and high-quality genomic DNA from anticoagulant whole blood sample and buffy coat. As distinct from conventional mini column, FABG HE Column allows to process a 1.5 times volume of blood sample and concentrate eluted DNA in high yield. The washing steps efficiently remove contaminants, inhibitors and salts to provide excellent OD 260/230 ratio. The purified gDNA is suitable for various applications.

Features

Enlarge sample input: Increase 1.5 times volume of blood sample.

Yield Concentrate DNA: Obtain highly concentrated DNA in minimum elution volume.

Time Saving: Delivering high-quality DNA with streamlined procedure.

Specifications

Format/Principle: Spin column (silica matrix)

Binding Capacity: ≤ 125 µg DNA/Column

Operation Time: < 45 mins

Sample Size: ≤ 300 µl whole blood or buffy coats

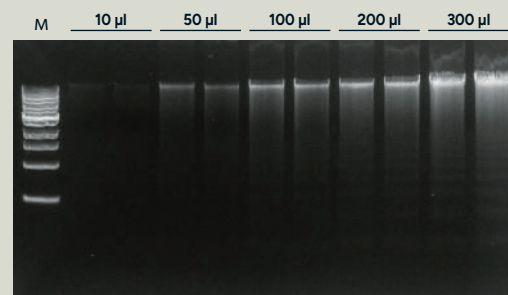
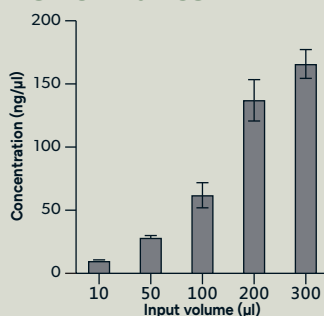
Typical Yield: 4~12 µg per 300 ml whole blood

Elution Volume: 30 µl

Applications

PCR; qPCR; Southern blotting; microarray; NGS.

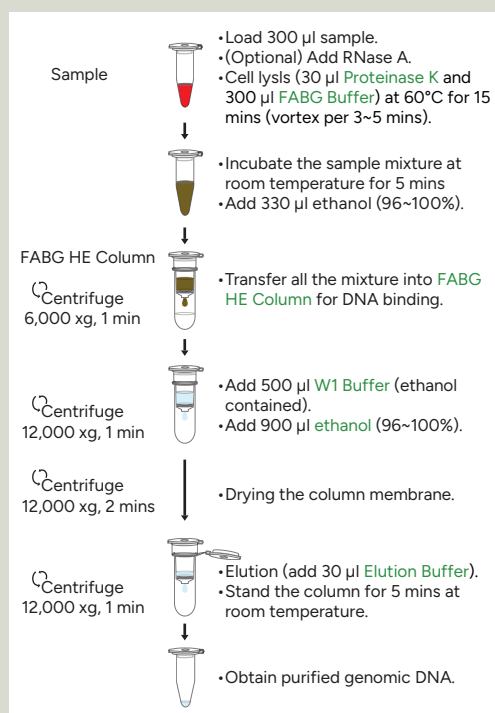
Performance



High concentration and good quality DNA from varying input volumes of whole blood using the FABG103.

Ordering Information

Cat. No.	Product Name	Size	Contents
FABG1033	FavorPrep™ Blood Genomic DNA Extraction HE Mini Kit	50 preps	FABG Buffer W1 Buffer (Concentrate) Proteinase K (Liquid) Elution Buffer FABG HE Columns Collection Tubes Elution Tubes
FABG1034		100 preps	



FavorPrep™ Stool DNA Isolation HE Mini Kit



Description

The FavorPrep™ Stool DNA Isolation HE (High Efficiency) Mini Kit is an efficient tool to rapidly isolate pure, high-concentration genomic DNA from several types of stool. The distinctive FAST HE Column allows to enlarge sample input and reduce elution volume to obtain both higher eluted DNA concentration and yield. The advanced method allows to remove inhibitors thoroughly and provide excellent reproducibility result. The purified DNA is effectively used to analyze in microbial diversity and community composition.

Features

High Purity: Eliminate humic acid and high concentration of PCR inhibitors from stool samples.

Wide adaptability: Available for solid or liquid stool samples from different sources.

Easy to Use: Rapid extraction with beads beating without sample grinding.

Convenience: The purified DNA allows to use in downstream applications.

Applications

PCR; qPCR; disease research; 16S rRNA Microbiome profiling; microarray; genotyping.

Specifications

Format/Principle: Spin column (silica matrix)

Binding Capacity: ≤ 125 µg DNA/Column

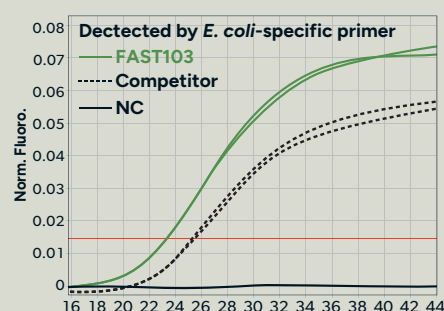
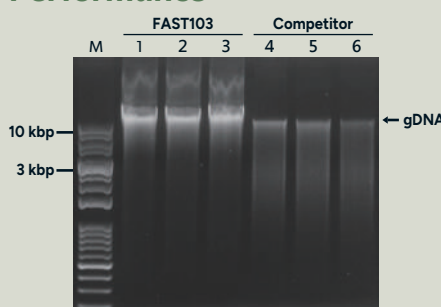
Operation Time: < 60 mins

Sample Size: ≤ 50 mg (solid stool); ≤ 200 mg (loose stool)

Typical Yield: ≤ 15 µg for 50 mg stool

Elution Volume: 30 µl

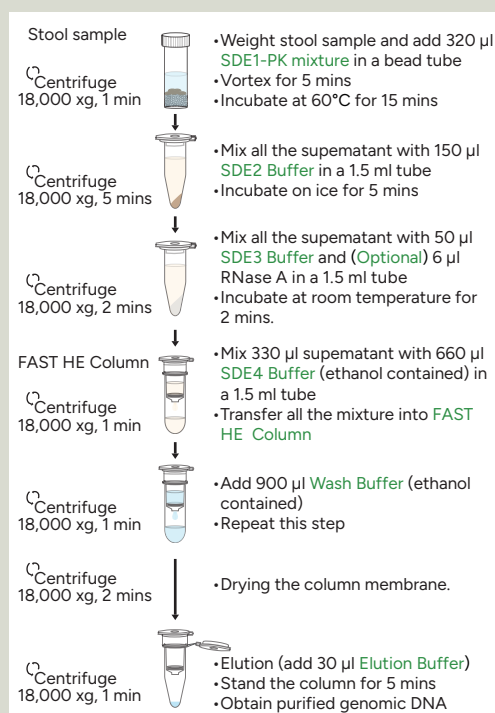
Performance



The stool DNA extracted by FAST103 showed higher integrity on gel electrophoresis and lower Ct values in qPCR analysis compared to competitor's kit.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAST1033 FAST1034	FavorPrep™ Stool DNA Extraction HE Mini Kit	50 preps 100 preps	SDE1 Buffer SDE2 Buffer SDE3 Buffer SDE4 Buffer (Concentrate) Wash Buffer (Concentrate) Proteinase K (Liquid) Elution Buffer FAST HE Columns Collection Tubes Elution Tubes Bead Tubes



FavorPrep™ Bacterial Genomic DNA Extraction HE Mini Kit



Description

The FavorPrep™ Bacterial Genomic DNA Extraction HE (High Efficiency) Mini Kit is designed to isolate high-concentration and high-quality genomic DNA from diverse sample such as bacterial culture, body fluid and nasopharyngeal swabs. The application of enzymes combined with distinct buffer system provide efficient and quick method for gDNA isolation from microorganisms particularly Gram-positive bacteria without using harsh biochemicals. The purified gDNA is suitable for microbiome analysis and explore the role of the epidemiology, public health, and pathogenicity.

Features

Compatibility: Extraction of genomic DNA from various bacteria-containing sample.

Safe: No phenol/chloroform extraction. Use enzymatic digestion for cell lysis.

Yield Concentrate DNA: Obtain highly concentrated DNA in minimum elution volume.

Applications

PCR; qPCR; disease research; 16S rRNA microbiome profiling; microarray; genotyping.

Specifications

Format/Principle: Spin column (silica matrix)

Binding Capacity: ≤ 125 µg DNA/Column

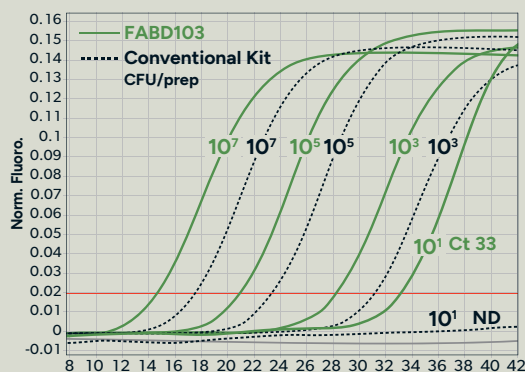
Operation Time: < 45 mins

Sample Size: ≤ 5×10⁹ bacterial cells, ≤ 2 ml saliva, ≤ 2 ml serum or plasma, ≤ 40 ml urine, ≤ 1.5 ml milk, and 1 swab.

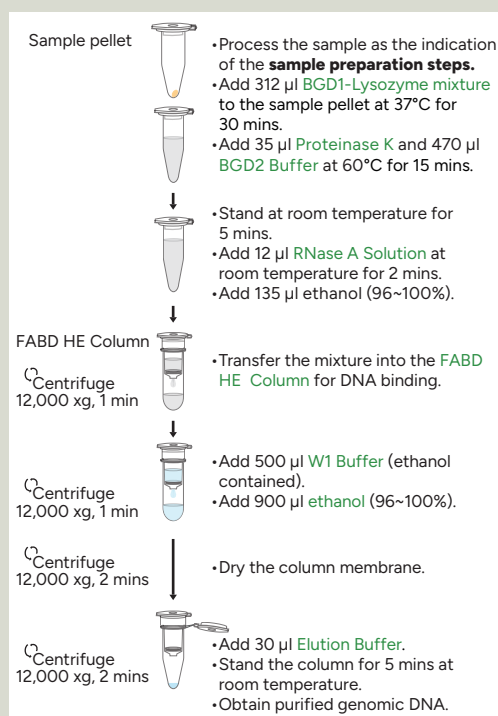
Typical Yield: ≤ 60 µg

Elution Volume: 30 µl

Performance



The bacterial DNA extracted using FABD103 in the qPCR analysis showed 3 Ct lower and more sensitivity at 10¹ CFU with a positive result than the conventional kit.



Ordering Information

Cat. No.	Product Name	Size	Contents
FABD1033	FavorPrep™ Bacterial Genomic DNA Extraction HE Mini Kit	50 preps	BGD1 Buffer BGD2 Buffer W1 Buffer (Concentrate) Proteinase K (Liquid) RNase A Solution Lysozyme (Lyophilized) Elution Buffer FABD HE Columns Collection Tubes Elution Tubes
FABD1034		100 preps	

FavorPrep™ Urine DNA Extraction HE Mini Kit



Description

The FavorPrep™ Urine DNA Extraction HE (High Efficiency) Mini Kit is an efficient tool for rapidly isolating genomic DNA from urine sample. Due to the less-abundance microorganisms and presence of PCR inhibitors in urine, DNA extraction from urinary samples remain challenging. The enzymes provided in the kit allow to digest microbial cell structures effectively and the special buffer removes PCR inhibitors to obtain pure, high-quality DNA. The distinctive FAUD HE Column allows to enlarge sample scale and reduce elution volume to obtain the concentrated microscale DNA. This kit ensures reliable and reproducible urological microbiota data to explore the urobiome.

Features

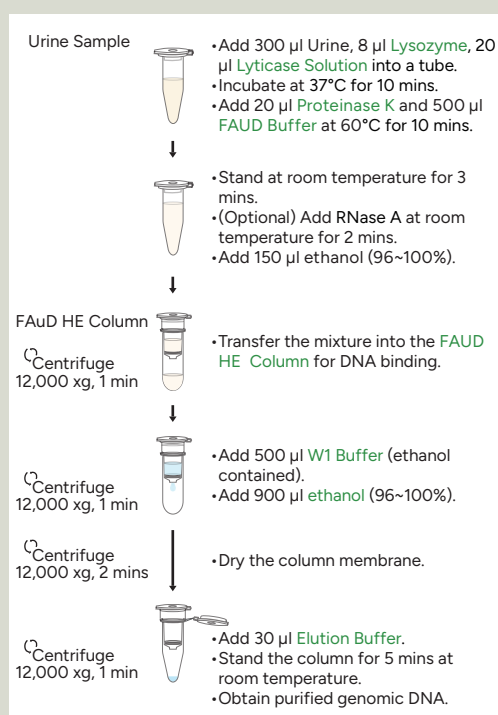
Convenience: Enable easy DNA purification by spin-column format.

High Purity: Elimination of inhibitory compounds from urine sample using the special buffer.

High Quality: Improved amplification for enzymatic sequencing.

Applications

PCR; qPCR; disease research; urobiome profiling microarray.



Specifications

Format/Principle: Spin column (silica matrix)

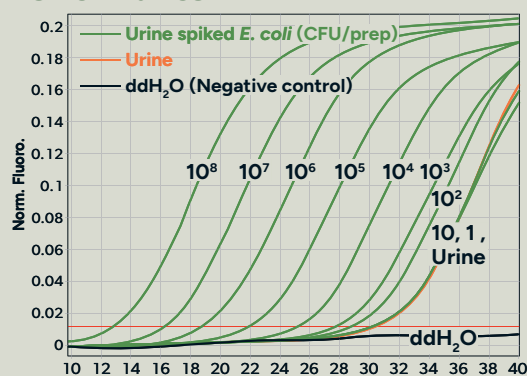
Binding Capacity: $\leq 125 \mu$ g DNA/Column

Operation Time: < 45 mins

Sample Size: 300 μ l urine.

Elution Volume: 30 μ l

Performance



The extracted DNA from urine by FAUD103 in qPCR analysis demonstrated favorable performance for wide-range sample inputs and effectively removing PCR inhibitor.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAUD1033 FAUD1034	FavorPrep™ Urine DNA Extraction HE Mini Kit	50 preps 100 preps	FAUD Buffer W1 Buffer (Concentrate) Proteinase K (Liquid) Lysozyme (Lyophilized) Lyticase Solution Elution Buffer FAUD HE Columns Collection Tubes Elution Tubes

FavorPrep™ Bacterial RNA Extraction HE Mini Kit



Description

The FavorPrep™ Bacterial RNA Extraction HE Mini Kit is designed for the efficient isolation of high-concentration and high-quality RNA from a broad range of bacterial species. The kit facilitates rapid RNA extraction without harsh chemical agents or mechanical cell wall disruption, it was achieved by combining the enzyme with a proprietary buffer system. The isolated RNA exhibits extreme integrity and minimal genomic DNA contamination, making it suitable for a variety of downstream applications, including RT-PCR, microarray analysis, next-generation RNA sequencing (RNA-Seq) and Northern blotting.

Features

Elimination of contamination: Minimal inhibitors and background DNA to ensure quality of RNA.

High purity: Ready-to-use and inhibitor-free RNA for downstream applications.

Yield Concentrate RNA: Obtain highly concentrated RNA in minimum elution volume.

Applications

RT-qPCR; Northern blotting hybridizations; cDNA synthesis; in vitro translation; microarray analysis.

Specifications

Format/Principle: Spin column (silica matrix)

Binding Capacity: ≤ 150 µg RNA/Column

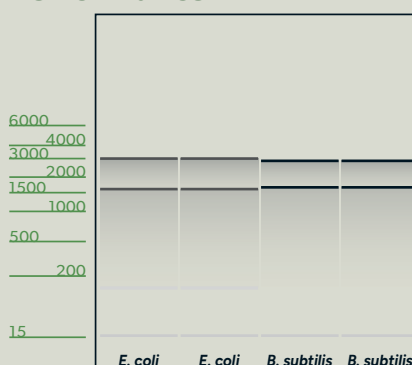
Operation Time: < 30 mins

Sample Size: ≤ 1×10⁹ bacterial cells

Typical Yield: ≤ 75 µg

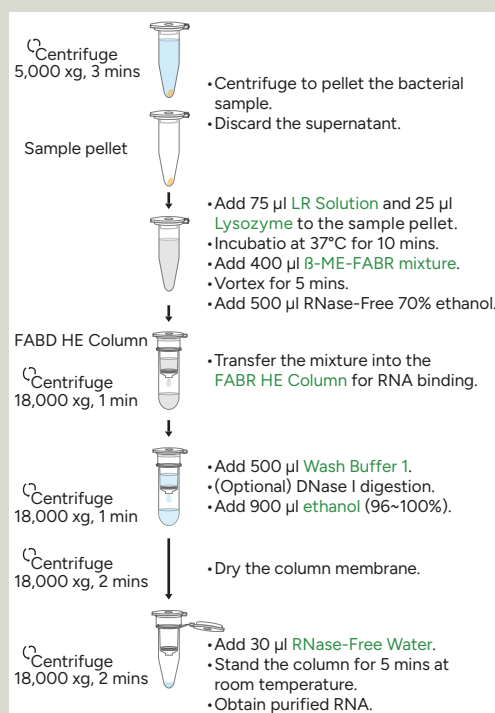
Elution Volume: 30 µl

Performance



Sample	RNA Quality Number (RQN)
<i>E. coli</i>	9.9
	9.8
<i>B. subtilis</i>	10.0
	10.0

The integrity of RNA purified from *E. coli* and *B. subtilis* using the FABR103 demonstrated the outstanding RNA extraction quality.



Ordering Information

Cat. No.	Product Name	Size	Contents
FABR1033	FavorPrep™ Bacterial RNA Extraction HE Mini Kit	50 preps	LR Solution FABR Buffer Wash Buffer 1 Lysozyme (Lyophilized) RNase-Free Water FABR HE Columns Collection Tubes Elution Tubes
FABR1034		100 preps	

FavorPrep™ Plasmid Extraction Mini Kit



Description

The FavorPrep™ Plasmid Extraction Mini Kit provides a rapid, phenol-free method for the extraction of high-purity plasmid DNA from bacterial culture such as *E. coli*. Silica membrane-based DNA column is utilized in the purification process, and the extraction is carried out in three simple steps: binding/washing/elution. The plasmid DNA bound to the silica membrane, and the contaminants can be removed by wash buffer. The extracted DNA can be used in a variety of applications such as PCR, cloning, sequencing, *in vitro* transcription, and labeling.

Features

Efficient: High yield efficiency of plasmid DNA (up to 30 µg) from 1~5 ml of overnight cultures.

Convenient: No need for phenol, chloroform, and alcohol precipitation; minimizing exposure to hazardous materials.

High Quality: Optimized buffers are included for maximum of DNA purity and yield.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size: 1~5 ml of bacterial culture for high/low-copy number plasmids.

Size of Plasmid or Construct: < 15 kbp

Operation Time: < 25 mins

Typical Yield: 25~40 µg

Column Binding Capacity: ≤ 60 µg DNA/Column

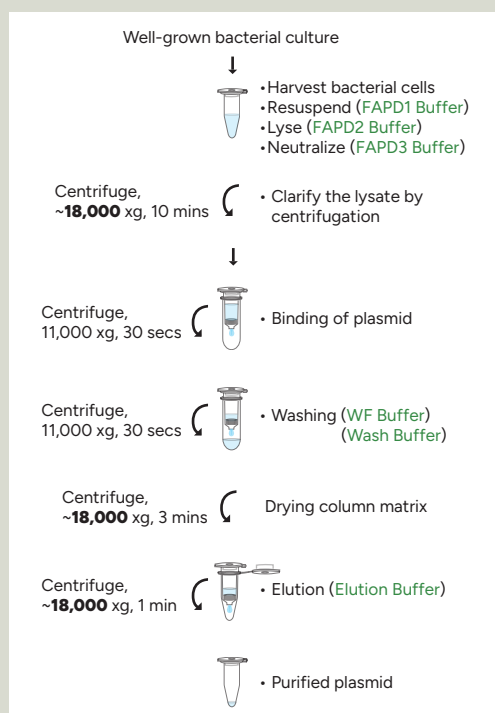
Column Applicability: Centrifugation and vacuum

Applications

Molecular cloning, DNA sequencing; restriction enzyme digestion; ligation and transformation; library screening.

Ordering Information

Cat. No.	Product Name	Size	Contents
FSPD1024 FSPD1026	FavorPrep™ Plasmid Extraction Mini Kit	100 preps 300 preps	FAPD1 Buffer FAPD2 Buffer FAPD3 Buffer WF Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer RNase A Solution FAPD Columns Collection Tubes



FavorPrep™ Plasmid Fast Extraction Mini Kit



Description

The FavorPrep™ Plasmid Fast Extraction Mini Kit is designed for the quick isolation of pure plasmid DNA from small-sized samples. This kit contains an improved spin column with silica matrix that has higher DNA-binding capacity. This kit is designed for the easy, fast, and small-scale extraction of pure plasmid DNA, with a time-saving protocol. The isolated DNA is ready for enzymatic reaction or molecular biology applications.

Features

Easy to Use: Sequencing-grade plasmid DNA for any kinds of enzymatic reaction.

Time Saving: Rapid plasmid isolation procedure within 20 mins.

High Quality: Optimized buffers are included for DNA purification.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size: 1~3 ml of bacterial culture for high/low-copy number plasmids.

Size of Plasmid or Construct: < 15 kbp

Operation Time: < 20 mins

Typical Yield: 20~30 µg

Column Binding Capacity: ≤ 60 µg DNA/Column

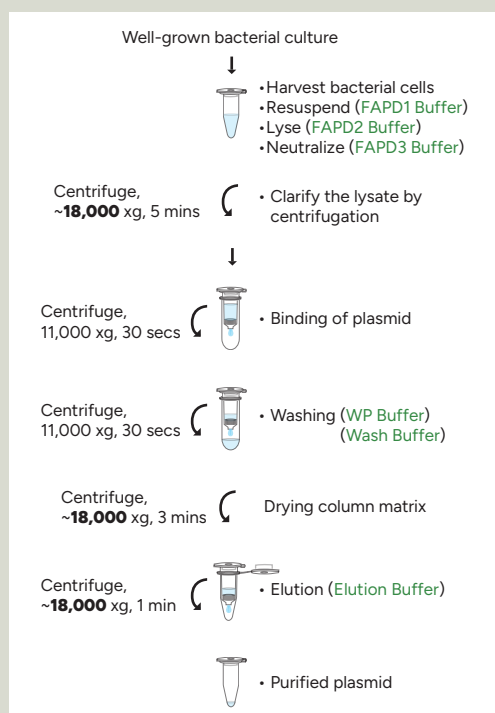
Column Applicability: Centrifugation and vacuum

Applications

Molecular cloning, DNA sequencing; restriction enzyme digestion; ligation and transformation; library screening.

Ordering Information

Cat. No.	Product Name	Size	Contents
FSPD204 FSPD206	FavorPrep™ Plasmid Fast Extraction Mini Ki	100 preps 300 preps	FAPD1 Buffer FAPD2 Buffer FAPD3 Buffer WP Buffer Wash Buffer (Concentrate) Elution Buffer FAPD Columns Collection Tubes RNase A Solution



FavorPrep™ Endotoxin-Free Plasmid Extraction Mini Kit



Description

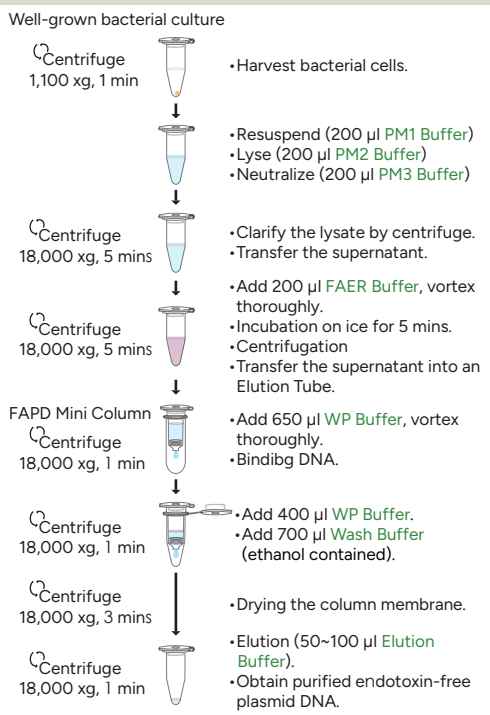
The FavorPrep™ Endotoxin-Free Plasmid Mini Kit is designed for the isolation of transfection-grade plasmid by using silica matrix-spin column. This kit contains streamlined endotoxin removal technology to efficiently remove residual endotoxin from plasmid DNA extraction procedure. The purified plasmid is suitable for reliable results in transfection.

Features

- Efficient:** High yield efficiency of plasmid DNA (up to 40 µg) from 1~5 ml of overnight cultures.
- High Purity:** Minimize cytotoxicity (endotoxin < 0.1 EU/µg DNA), ideal for endotoxin sensitive applications to obtain reliable transfection results.
- Safe:** Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimizing expose to hazardous materials.

Specifications

- Format/Principle:** Spin column (silica matrix)
- Sample Size:** 1~5 ml of bacterial culture for high/low-copy number plasmids.
- Size of Plasmid or Construct:** < 15 kbp
- Operation Time:** < 30 mins
- Typical Yield:** 25~40 µg
- Column Binding Capacity:** ≤ 60 µg DNA/Column
- Column Applicability:** Centrifugation and vacuum



Applications

Transfection; microinjection; DNA sequencing; PCR; restriction enzyme digestion.

Ordering Information

Cat. No.	Product Name	Size	Contents
FSPD3024	FavorPrep™ Endotoxin-Free Plasmid Extraction Mini Kit	100 preps	PM1 Buffer PM2 Buffer PM3 Buffer FAER Buffer WP Buffer Wash Buffer (Concentrate) Elution Buffer RNase A Solution FAPD Mini Columns Collection Tubes Elution Tubes

FavorPrep™ Plasmid Extraction Midi/Maxi Kit



Description

The FavorPrep™ Plasmid Extraction Midi/Maxi Kit is designed for the isolation of purified plasmid DNA with anion-exchange technology. This kit uses a gravity-flow column that increases efficiency of DNA binding capacity. This kit is designed for the easy and efficient extraction of pure plasmid DNA. The isolated DNA is ready for enzymatic reactions or molecular biology applications.

Features

High Purity: High concentration of plasmid DNA which is purified ready for use in molecular biological applications.

Safe: Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimizing exposure to hazardous materials.

High Yield: Possess improved material with higher DNA-binding capacity.

Specifications

Format/Principle: Anion exchange chromatography (gravity-flow column)

Lysate Clarification: Centrifugation

Sample Size:

Bacterial culture for high/low-copy number plasmids.

• **Midi:** 60~120 ml

• **Maxi:** 120~240 ml

Size of Plasmid or Construct: 3 kbp~150 kbp

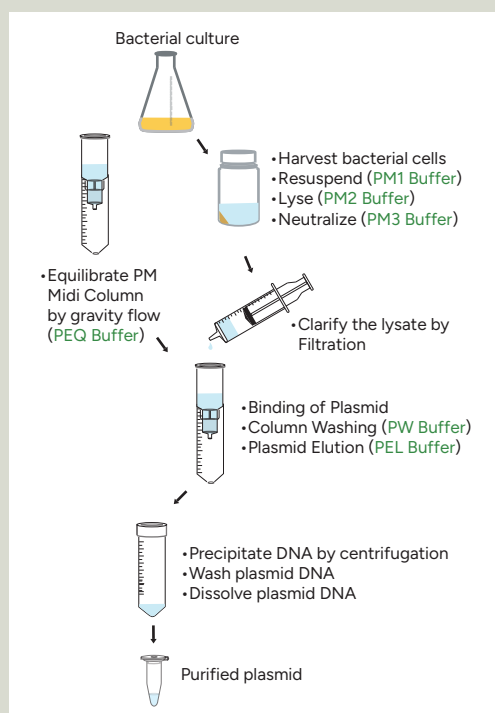
Column Binding Capacity:

• **Midi:** ≤ 650 µg DNA/Column

• **Maxi:** ≤ 1.5 mg DNA/Column

Applications

Transfection; microinjection; DNA sequencing; PCR; restriction enzyme digestion.



Ordering Information

Cat. No.	Product Name	Size	Contents
FAPD1042 FAPD1043	FavorPrep™ Plasmid Extraction Midi Kit	25 preps 50 preps	PEQ Buffer PM1 Buffer PM2 Buffer PM3 Buffer PW Buffer PEL Buffer
FAPD1051 FAPD1052	FavorPrep™ Plasmid Extraction Maxi Kit	10 preps 25 preps	RNase A Solution PM Midi/Maxi Columns

FavorPrep™ Plasmid Extraction Maxi Plus Kit



Description

The FavorPrep™ Plasmid DNA Extraction Maxi Plus Kit is designed for the isolation of purified plasmid DNA with anion-exchange technology. This kit uses a gravity-flow column that increases efficiency of DNA-binding capacity. This kit is designed for the easy and efficient extraction of pure plasmid DNA. The isolated DNA is ready for enzymatic reactions or molecular biology applications.

Features

High Purity: High concentration of plasmid DNA which is purified ready for use in molecular biological applications.

Safe: Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimizing exposure to hazardous materials.

High Yield: Possess improved material with higher DNA-binding capacity.

Specifications

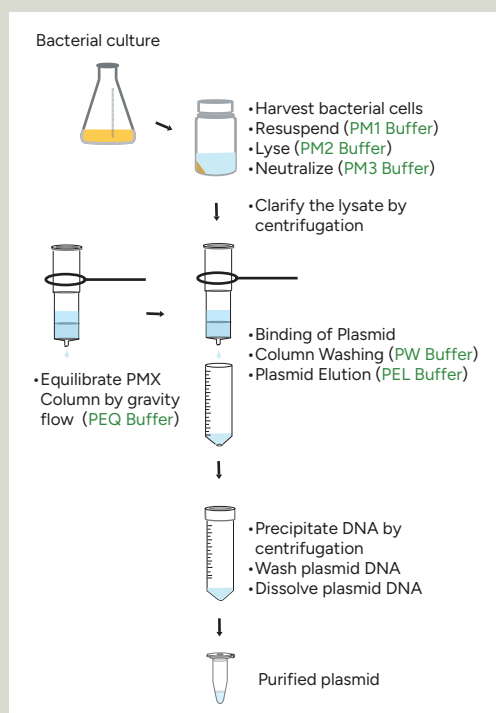
Format/Principle: Anion-exchange chromatography (gravity-flow column)

Lysate Clarification: Centrifugation

Sample Size: 120~240 ml of bacteria culture for high/low-copy number plasmids.

Size of Plasmid or Construct: 3 kbp~150 kbp

Column Binding Capacity: ≤ 1.5 mg DNA/Column



Applications

Transfection; microinjection; DNA sequencing; PCR; restriction enzyme digestion.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAPD1061	FavorPrep™ Plasmid Extraction Maxi Plus Kit	10 preps	PEQ Buffer PM1 Buffer PM2 Buffer PM3 Buffer PW Buffer PEL Buffer PMX Columns RNase A Solution

FavorPrep™ Endotoxin-Free Plasmid Extraction Midi/Maxi Kit



Description

The FavorPrep™ Endotoxin-Free Plasmid Midi/Maxi Kit is designed for the isolation of endotoxin-free purified plasmid DNA with anion-exchange technology. This kit uses a gravity-flow column that increases efficiency of DNA-binding capacity. PTR Buffer washes away the endotoxins in just one step. This kit is designed for the convenient, easy, and efficient extraction of pure plasmid DNA and makes the endotoxins less than 0.05 EU/μg DNA that is suitable for the transfection of cultured cells.

Features

High Purity: Endotoxin < 0.05 EU/μg DNA, ideal for endotoxin sensitive applications.

Safe: Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimizing exposure to hazardous materials.

High Yield: Possess improved material with higher DNA-binding capacity.

Specifications

Format/Principle: Anion exchange chromatography (gravity-flow column)

Lysate Clarification: Centrifugation

Sample Size:

Bacterial culture for high/low-copy number plasmids.

• **Midi:** 60~120 ml

• **Maxi:** 120~240 ml

Size of Plasmid or Construct: 3 kbp~150 kbp

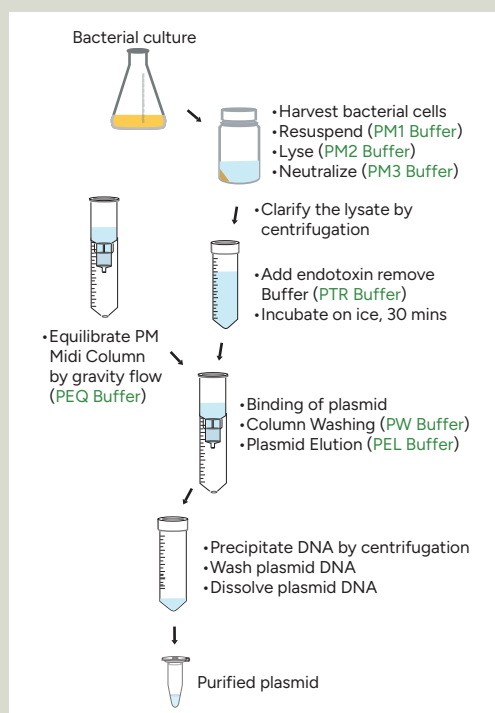
Column Binding Capacity:

• **Midi:** ≤ 650 μg DNA/Column

• **Maxi:** ≤ 1.5 mg DNA/Column

Applications

Transfection; microinjection; DNA sequencing; PCR; restriction enzyme digestion.



Ordering Information

Cat. No.	Product Name	Size	Contents
FAPD2041 FAPD2042	FavorPrep™ Endotoxin-Free Plasmid Extraction Midi Kit	10 preps 25 preps	PEQ Buffer PM1 Buffer PM2 Buffer PM3 Buffer PTR Buffer PW Buffer PEL Buffer
FAPD2051	FavorPrep™ Endotoxin-Free Plasmid Extraction Maxi Kit	10 preps	RNase A Solution PM Midi/Maxi Columns

FavorPrep™ Endotoxin-Free Plasmid Extraction Maxi Plus Kit



Description

The FavorPrep™ Endotoxin-Free Plasmid Extraction Maxi Plus Kit is designed for the isolation of endotoxin-free purified plasmid DNA with anion-exchange technology. This kit uses a gravity-flow column that increases the efficiency of DNA-binding capacity. PTR Buffer washes away the endotoxins in just one step. This kit is designed for the convenient, easy, and efficient extraction of pure plasmid DNA and makes the endotoxins less than 0.05 EU/μg DNA that is suitable for transfection of cultured cells.

Features

High Purity: Endotoxin < 0.05 EU/μg DNA, ideal for endotoxin sensitive applications.

Safe: Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimizing exposure to hazardous materials.

High Yield: Possess improved material with higher DNA-binding capacity.

Specifications

Format/Principle: Anion-exchange chromatography (gravity-flow column)

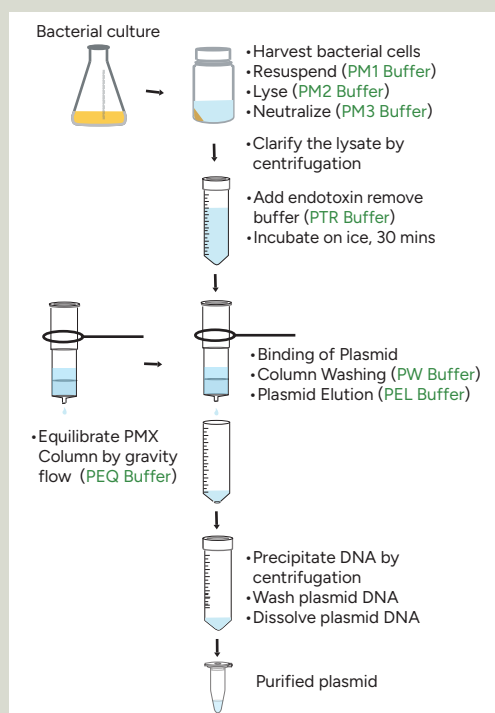
Lysate Clarification: Centrifugation

Sample Size: 120~240 ml of bacteria for high/low-copy number plasmids.

Size of Plasmid or Construct: 3 kbp~150 kbp

Typical Yield: 20~30 μg

Column Binding Capacity: ≤ 1.5 mg DNA/Column



Applications

Transfection (for endotoxin sensitive cells); microinjection; DNA sequencing; PCR; restriction enzyme digestion.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAPD2061	FavorPrep™ Endotoxin-Free Plasmid Extraction Maxi Plus Kit	10 preps	PEQ Buffer PM1 Buffer PM2 Buffer PM3 Buffer PW Buffer PTR Buffer PEL Buffer PMX Columns RNase A Solution

FavorFilter™ Plasmid Extraction Midi/Maxi Kit



Description

The FavorFilter™ Plasmid Extraction Midi/Maxi Kit is designed for rapid and efficient extraction of high-quality plasmid DNA. A special designed filter cartridge is allowed to remove the bacterial lysates without centrifugation step. Following a gravity-flow procedure, the plasmid DNA is bound to the resin, and the contaminants can be removed by wash buffer. The downstream application of FavorFilter™ series is suitable for transfection, *in vitro* transcription/translation, and all enzymatic modifications.

Features

Time Saving: Remove bacterial lysates without centrifugation.
High Purity: Equal to 2× CsCl gradient centrifugation method.
Safe: Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimizing exposure to hazardous materials.

Specifications

Format/Principle: Anion-exchange chromatography (gravity-flow column)

Lysate Clarification: Filtration

Sample Size:

Bacterial culture for high/low-copy number plasmids.

• **Midi:** 60~120 ml

• **Maxi:** 120~240 ml

Plasmid or Constructs Range: 3 kbp~150 kbp

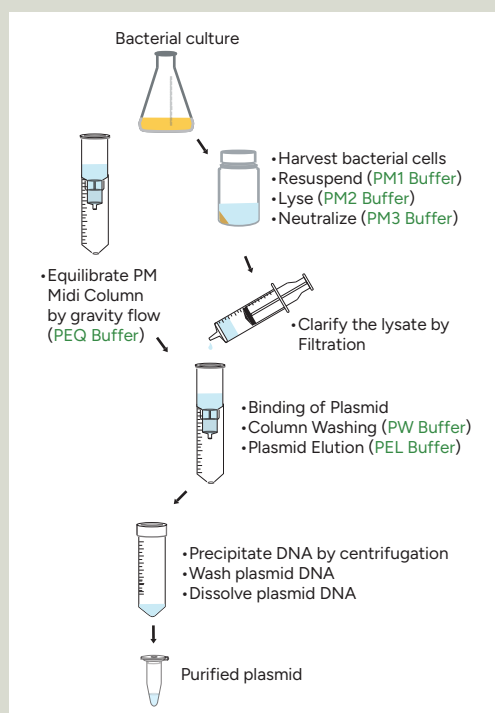
Binding Capacity:

• **Midi:** ≤ 650 µg DNA/Column

• **Maxi:** ≤ 1.5 mg DNA/Column

Applications

Transfection; microinjection; *in vitro* transcription; restriction enzyme digestion.



Ordering Information

Cat. No.	Product Name	Size	Contents
FAPD3042 FAPD3043	FavorFilter™ Plasmid Extraction Midi Kit	25 preps 50 preps	PEQ Buffer PM1 Buffer PM2 Buffer PM3 Buffer PW Buffer PEL Buffer
FAPD3051	FavorFilter™ Plasmid Extraction Maxi Kit	10 preps	RNase A Solution FavorFilter Midi/Maxi Cartridges PM Midi/Maxi Columns

FavorFilter™ Endotoxin-Free Plasmid Extraction Maxi Kit



Description

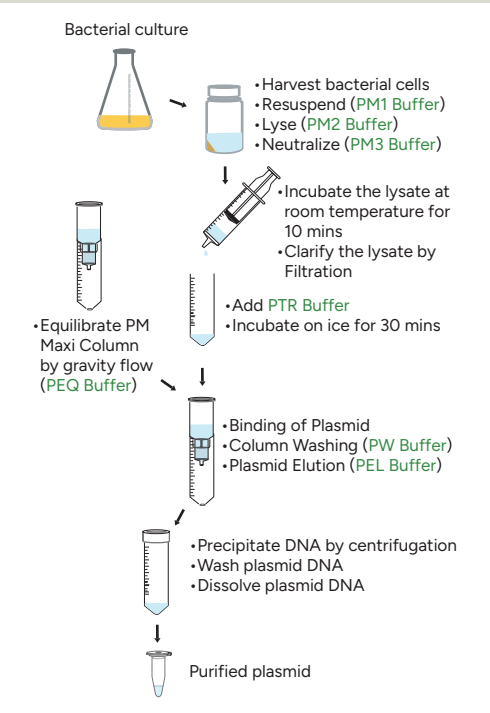
The FavorFilter™ Endotoxin-Free Plasmid Extraction Maxi Kit is designed for the quick isolation of endotoxin-free purified plasmid DNA using anion-exchange technology. This kit uses the FavorFilter Maxi Cartridge to clarify the lysate; the gravity-flow column has improved DNA binding capacity. PTR Buffer washes away the endotoxins in just one step. This kit is designed for the convenient, easy, and efficient extraction of pure plasmid DNA and makes the endotoxins less than 0.05 EU/μg DNA that is suitable for the transfection of cultured cells.

Features

- Time Saving:** Remove bacterial lysates no need for centrifugation.
- High Purity:** Endotoxin < 0.05 EU/μg DNA, ideal for endotoxin sensitive applications.
- Safe:** Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimizing expose to hazardous materials.

Specifications

- Format/Principle:** Anion-exchange chromatography (gravity-flow column)
- Lysate Clarification:** Filtration
- Sample Size:** 120~240 ml of bacterial culture for high/low copy number plasmids.
- Plasmid or Constructs Range:** 3 kbp~150 kbp
- Binding Capacity:** ≤ 1.5 mg DNA/Column



Applications

Transfection (for endotoxin sensitive cells); microinjection; *in vitro* transcription; restriction enzyme digestion.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAPD4051	FavorFilter™ Endotoxin-Free Plasmid Extraction Maxi Kit	10 preps	PEQ Buffer PM1 Buffer PM2 Buffer PM3 Buffer PTR Buffer PW Buffer PEL Buffer RNase A Solution FavorFilter Maxi Cartridges PM Maxi Columns

FavorPrep™ Tissue Genomic DNA Extraction Mini Kit



Description

The FavorPrep™ Tissue Genomic DNA Extraction Mini Kit is designed for rapid extraction of pure, small-scale genomic DNA from several types of tissues, bacteria, fixed tissue, yeast, or dried blood spot. The purified DNA is ready-to-use in multiple applications, such as PCR, qPCR, cloning, DNA sequencing and library preparation in NGS.

Features

Time Saving: Rapid extraction of genomic DNA from tissue samples within 1~2 hrs (depending on the sample type).

Safety: No caustic organic compound.

Versatile: Extraction of genomic DNA from several types of tissue, such as formalin-fixed tissue, yeast or dried blood.

High Recovery: Up to 25 mg of fresh/frozen tissue can be used; binding capacity is up to 60 µg of genomic DNA.

Specifications

Format/Principle: Spin column (silica matrix)

Operation Time: 30~60 mins

Binding Capacity: ≤ 60 µg DNA/Column

Typical Yield: 15~35 µg/prep

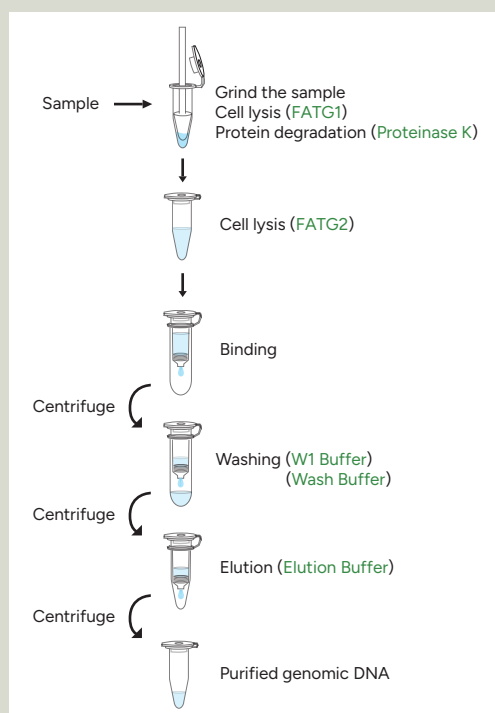
Column Applicability: Centrifugation and vacuum

Minimum Elution Volume: 50 µl

Sample Size: < 25 mg animal tissue; 1.2 cm mouse tail; < 1×10⁷ cultured cells

Applications

PCR; real-time PCR; Southern blotting; medicolegal analysis; NGS.



Ordering Information

Cat. No.	Product Name	Size	Contents
FATG1023 FATG1024 FATG1026	FavorPrep™ Tissue Genomic DNA Extraction Mini Kit	50 preps 100 preps 300 preps	FATG1 Buffer FATG2 Buffer W1 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer Proteinase K (Liquid) FATG Mini Columns Collection Tubes Elution Tubes Micropestles

FavorPrep™ Tissue Genomic DNA Extraction Micro Kit



Description

The FavorPrep™ Tissue Genomic DNA Extraction Micro Kit is designed for rapid extraction of pure, small-scale genomic DNA from various sample types, such as animal tissues, bacteria, fixed tissue, yeast, or dried blood spot. The minimized elution volume allows to concentrate DNA from small amount of sample. The purified DNA is ready-to-use in multiple applications, such as PCR, qPCR, cloning, DNA sequencing and library preparation in NGS.

Features

Time Saving: Rapid extraction of genomic DNA from tissue samples, within 1~2 hrs (depending on the sample type).

Yield Concentrated DNA: Minimum elute volume is 10 µl.

Safety: No caustic organic compound.

Versatile: Extraction of genomic DNA from various types of samples, including animal tissues, fixed tissues, yeast or dried blood. Up to 10 mg of fresh/frozen tissues per reaction.

Specifications

Format/Principle: Spin column (silica matrix)

Operation Time: < 60 mins

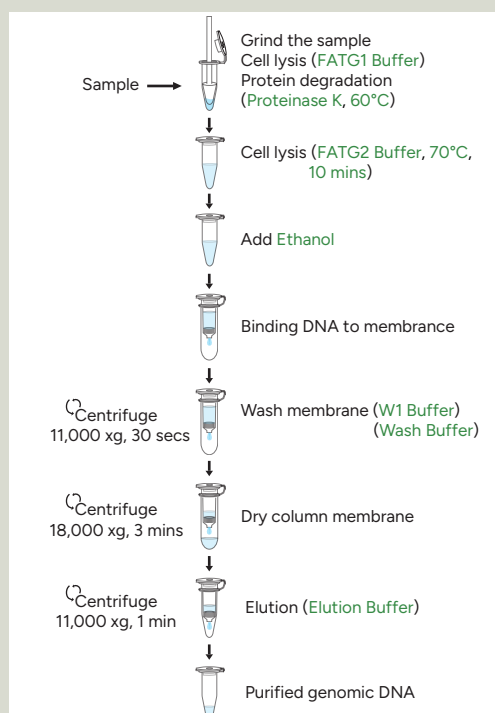
Binding Capacity: ≤ 10 µg DNA/Column

Column Applicability: Centrifugation

Sample Size: ≤ 10 mg of animal tissues

Applications

PCR; real-time PCR; Southern blotting; medicolegal analysis; NGS.



Ordering Information

Cat. No.	Product Name	Size	Contents
FATG1013	FavorPrep™ Tissue Genomic DNA Extraction Micro Kit	50 preps	FATG1 Buffer
FATG1014		100 preps	FATG2 Buffer
			W1 Buffer (Concentrate)
			Wash Buffer (Concentrate)
			Elution Buffer
			Proteinase K (Liquid)
			TGM Columns
			Collection Tubes
			Elution Tubes
			Micropestles

FavorPrep™ Blood Genomic DNA Extraction Mini Kit



Description

The FavorPrep™ Blood Genomic DNA Extraction Mini Kit is designed for rapid extraction of pure genomic DNA from a varied range of sample types. It is also intended for the extraction of viral DNA (e.g., HBV) from blood samples. Silica membrane-based column is utilized for DNA binding. The purified DNA is ready-to-use in multiple applications, such as PCR, qPCR and library preparation in NGS sequencing.

Features

High Purity: A260/280 ≥ 1.8 ; A230/260 ≥ 2.0

Safe: No phenol/chloroform extraction or ethanol precipitation steps.

Time Saving: < 30 mins

Versatile: Extraction of genomic DNA from whole blood, plasma, serum, buffy coat, body fluids, lymphocytes and cultured cells.

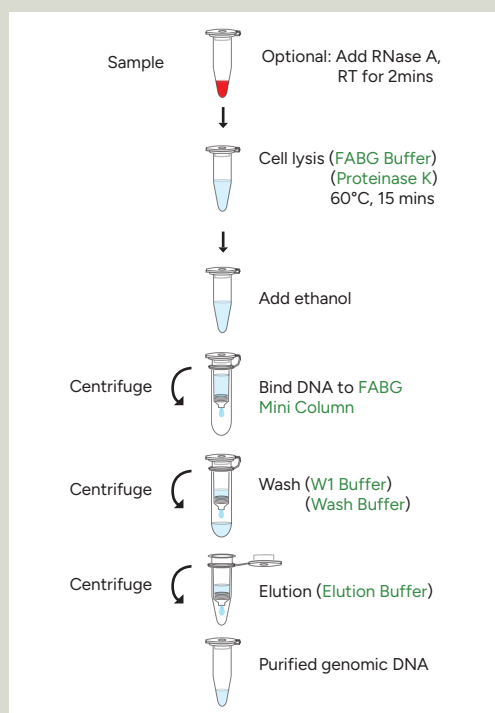
Specifications

Format/Principle: Spin column (silica matrix)

Binding Capacity: $\leq 60 \mu\text{g}$ DNA/Column

Typical Yield: 4~8 μg per 200 μl whole blood

Sample Size: $\leq 5 \times 10^6$ cultured cells; $\leq 200 \mu\text{l}$ whole blood, serum, plasma or body fluids



Applications

PCR; qPCR; Southern blotting; medicolegal analysis; NGS.

Ordering Information

Cat. No.	Product Name	Size	Contents
FABG1023 FABG1024 FABG1026	FavorPrep™ Blood Genomic DNA Extraction Mini Kit	50 preps 100 preps 300 preps	FABG Buffer W1 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer Proteinase K (Liquid) FABG Mini Columns Collection Tubes Elution Tubes

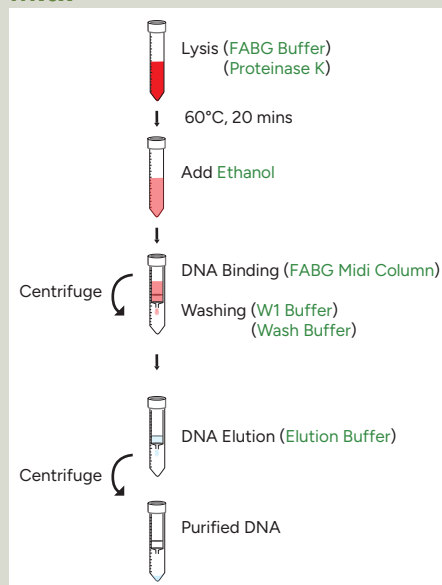
FavorPrep™ Blood Genomic DNA Extraction Midi/Maxi Kit



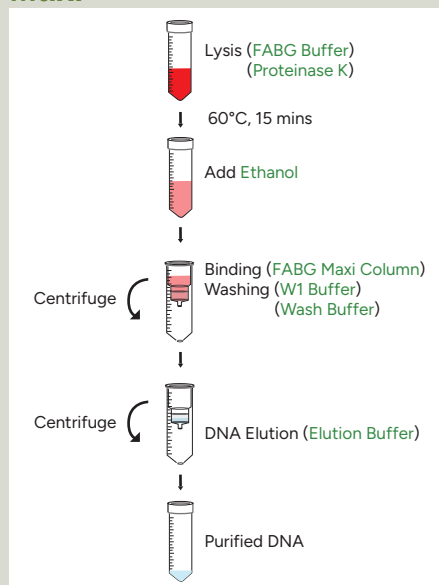
Description

The FavorPrep™ Blood Genomic DNA Extraction Midi/Maxi Kit is designed for the purification of total DNA (including genomic, mitochondrial, and viral DNA) from large volume of blood sample or cultured cells. A safe protocol that eliminates the use of organic solvents such as phenol and chloroform. By using proteinase K and lysis buffer, the kit effectively lyses cells and degrades protein. The purified DNA is suitable for downstream applications, such as PCR or other enzymatic reactions.

Midi



Maxi



Features

High Purity: The extracted DNA is suitable for various applications, including amplification, enzyme digestion, PCR, etc.

High Speed: Rapid isolation of genomic DNA from blood within 60 mins.

Easy to Use: Base on a five-steps process to obtain high-purity genomic DNA.

Safe to Use: Use the special designed spin column to remove impurities. No caustic organic compound.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size:

Fresh/frozen blood

• **Midi:** ≤ 1.5 ml

• **Maxi:** ≤ 10 ml

Cultured cells

• **Midi:** ≤ 6×10^7

• **Maxi:** ≤ 1×10^8

Column Capacity:

• **Midi:** ≤ 150 µg

• **Maxi:** ≤ 500 µg

Average DNA Yield: 35 µg/1 ml whole blood

Handling Time: 60 mins

Applications

PCR; real time PCR; Southern blotting; AFLP; RLFP.

Ordering Information

Cat. No.	Product Name	Size	Contents
FABG1042	FavorPrep™ Blood Genomic DNA Extraction Midi Kit	25 preps	FABG Buffer W1 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer
FABG1051 FABG1052	FavorPrep™ Blood Genomic DNA Extraction Maxi Kit	10 preps 25 preps	Proteinase K (Liquid) FABG Midi/Maxi Columns Elution Tubes (Midi: 15 ml Tube; Maxi: 50 ml Tube)

FavorPrep™ Blood/Cultured Cells Genomic DNA Extraction Mini Kit



Description

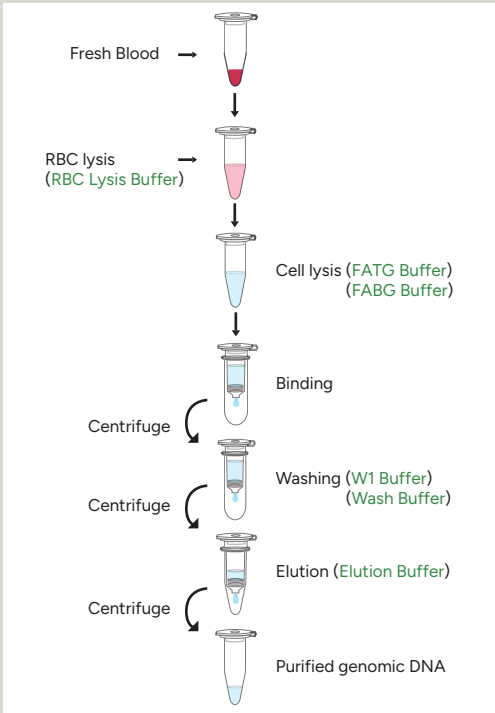
The FavorPrep™ Blood/Cultured Cells Genomic DNA Extraction Mini Kit is an efficient and easy-to-use kit for extraction of pure genomic DNA from mammalian blood and cultured cells. This kit is specially designed to isolate blood genomic DNA by removing red blood cells with effective RBC Lysis Buffer. The high quality of genomic DNA is ready-to-use in multiple applications, such as qPCR and NGS library preparation.

Features

- High Purity:** Purified DNA is suitable for a variety of applications, including DNA amplification, digestion, PCR, etc.
- Versatile:** Extraction of genomic DNA from fresh/frozen blood, buffy coat, lymphocytes, cultured cells, and bacteria/fungus cells.
- Easy to Use:** Base on a five-steps process to obtain high-purity genomic DNA.
- Safe to Use:** No caustic organic compound.

Specifications

- Format/Principle:** Spin column (silica matrix)
- Binding Capacity:** ≤ 60 µg DNA/Column
- Typical Yield:** 15~35 µg/prep
- Column Applicability:** Centrifugation and vacuum
- Minimum Elution Volume:** 50 µl
- Sample Size:** ≤ 300 µl whole blood
≤ 200 µl buffy coat
≤ 1×10⁷ cultured animal cells
≤ 1×10⁹ cultured bacterial cells
≤ 5×10⁷ fungus cells



Applications

PCR; qPCR; Southern blotting; medicolegal analysis.

Ordering Information

Cat. No.	Product Name	Size	Contents
FABG204 FABG206	FavorPrep™ Blood/Cultured Cells Genomic DNA Extraction Mini Kit	100 preps 300 preps	RBC Lysis Buffer FATG Buffer FABG Buffer W1 Buffer Wash Buffer (Concentrate) Elution Buffer FABG Mini Columns Collection Tubes

FavorPrep™ Plant Genomic DNA Extraction Mini/Maxi Kit

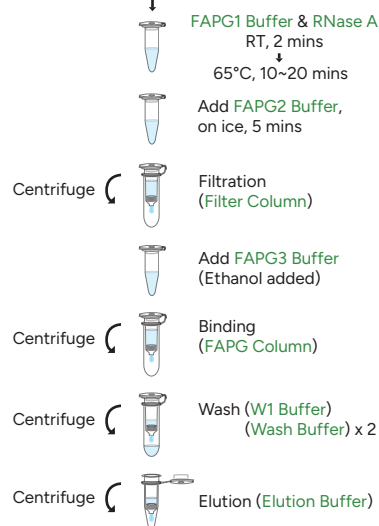


Description

The FavorPrep™ Plant Genomic DNA Extraction Mini/Maxi Kit is an efficient and easy-to-use tool and specially designed for genomic DNA extraction from plant tissue or cultured plant cells. The procedure includes plant tissue lysis, optimized enzyme treatment to remove RNA from the sample mixture and filter columns removing unwanted particles. Silica-based FAPG Column and FAPG3 Buffer are specially designed for plant genomic DNA extraction that enables optimal performance. This kit provides an easy and efficient method to purify plant genomic DNA.

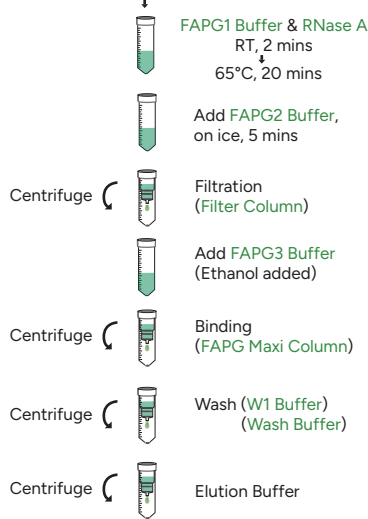
Mini

Grind plant tissue under liquid nitrogen to a fine powder



Maxi

Grind plant tissue under liquid nitrogen to a fine powder



Features

High Yield/Purity: Isolate high-quality DNA suitable for a variety of applications, including molecular biology, enzyme digestion, PCR, etc.

Safe: The kit effectively removes proteins and nuclease from plant cells. No harmful organic solvents in the procedure.

Versatile: Extract plant genomic DNA from various plant sources.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size:

Wet weight

• **Mini:** ≤ 100 mg

• **Maxi:** ≤ 1 g

Dry weight

• **Mini:** ≤ 20 mg

• **Maxi:** ≤ 100 mg

Column Capacity:

• **Mini:** ≤ 60 µg

• **Maxi:** ≤ 500 mg

Average DNA Yield:

• **Mini:** 5~40 µg

• **Maxi:** 50~300 µg

Handling Time: < 60 mins

Ordering Information

Cat. No.	Product Name	Size	Contents
FAPG1023 FAPG1024 FAPG1025 FAPG1026	FavorPrep™ Plant Genomic DNA Extraction Mini Kit	50 preps 100 preps 200 preps 300 preps	FAPG1 Buffer FAPG2 Buffer FAPG3 Buffer (Concentrate) W1 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer RNase A Solution Filter Columns FAPG Mini/Maxi Columns Collection Tubes
FAPG1051 FAPG1052	FavorPrep™ Plant Genomic DNA Extraction Maxi Kit	10 preps 25 preps	

Applications

PCR; qPCR; Southern blotting; DNA sequencing; SNP genotyping.

FavorPrep™ FFPE Tissue DNA Extraction Micro Kit



Description

The FavorPrep™ FFPE Tissue DNA Extraction Micro Kit is specially designed for the DNA extraction from paraffin-fixed tissues. The TG Micro Column allows a minimum elution volume at 10 µl to ensure high eluted DNA concentration. The extraction method of this kit is efficient and easy to operate.

Features

Easy to Use: Chaotropic salt buffer technology has two applications, cell lysis and DNA-binding of spin-column.

Time Saving: A time-efficient method is used to extract application-ready genomic DNA.

Yield Concentrated DNA: Effectively reduce elution volume to 10 µl.

Specifications

Format/Principle: Spin column (silica matrix)

Minimum Elution Volume: 12 µl

Sample Size: FFPE fixed tissue ≤ 25 mg (4~8 fragments, 10 µm thick)

Operation Time: 2~4 hrs

Typical Yield: < 25~40 µg

Column Binding Capacity: ≤ 10 µg DNA/Column

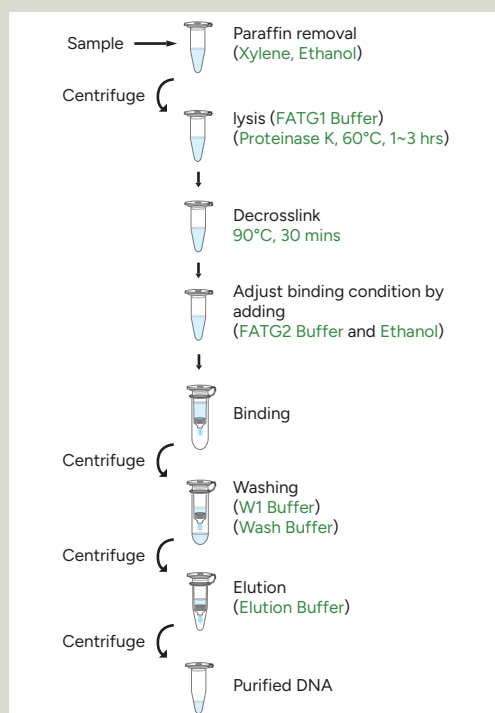
Column Applicability: Centrifugation

Applications

Medicolegal analysis; PCR and real time PCR; Southern blotting; SNP genotyping; AFLP/PADP; RFLP; next-generation sequencing (NGS); micro-array assay.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAFF1013 FAFF1014	FavorPrep™ FFPE Tissue DNA Extraction Micro Kit	50 preps 100 preps	FATG1 Buffer FATG2 Buffer W1 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer Proteinase K (Liquid) TG Micro Columns Collection Tubes Elution Tubes



FavorPrep™ Stool DNA Isolation Mini Kit



Description

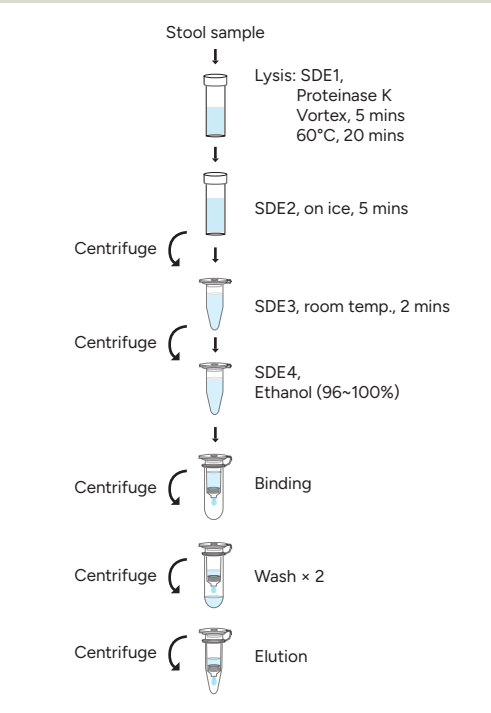
The FavorPrep™ Stool DNA Isolation Mini Kit is designed for the isolation of high-quality total DNA from 50~200 mg of fresh or frozen stool samples. The inhibitors, such as polysaccharides and humic acid, will be removed with the sequent buffers in this kit. Eluted DNA is ready-to-use for downstream applications.

Features

- Time Saving:** Rapid isolation of ready-to-use DNA within 60 mins without phenol/chloroform.
- High Purity:** Eliminate humic acid and high concentration of PCR inhibitors from stool samples.
- Convenience:** Obtain high-quality DNA; ready to use in downstream applications.
- Easy to Use:** Rapid extraction with beads beating without sample grinding.

Specifications

- Format/Principle:** Spin column (silica matrix)
- Sample Size:** 50~200 mg
- Operation Time:** < 60 mins
- Yield:** ≤ 7 µg



Applications

PCR; real-Time PCR; disease research; microarray; genotyping.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAST1023 FAST1024	FavorPrep™ Stool DNA Isolation Mini Kit	50 preps 100 preps	SDE1 Buffer SDE2 Buffer SDE3 Buffer SDE4 Buffer Wash Buffer (Concentrate) Elution Buffer Proteinase K (Liquid) SDE Mini Columns Collection Tubes Elution Tubes Bead Tubes

FavorPrep™ Soil DNA Isolation Mini Kit



Description

The FavorPrep™ Soil DNA Isolation Mini Kit is designed for the isolation of total DNA from soil sample. The inhibitors of downstream PCR or enzymatic reactions will be removed with the sequent buffers in this kit. Phenol/chloroform is not required in the whole procedure; all operation can be finished within 60 mins. The purified DNA is ready-to-use for downstream applications.

Features

Time Saving: Rapid isolation of ready-to-use DNA within 60 mins without phenol/chloroform.

High Purity: Eliminate humic acid, polysaccharides, phenol compounds, and enzyme inhibitor from soil sample.

Convenience: Obtain high-quality DNA; ready to use in downstream applications.

Easy to Use: Fast extraction with beads beating without sample grinding.

Specifications

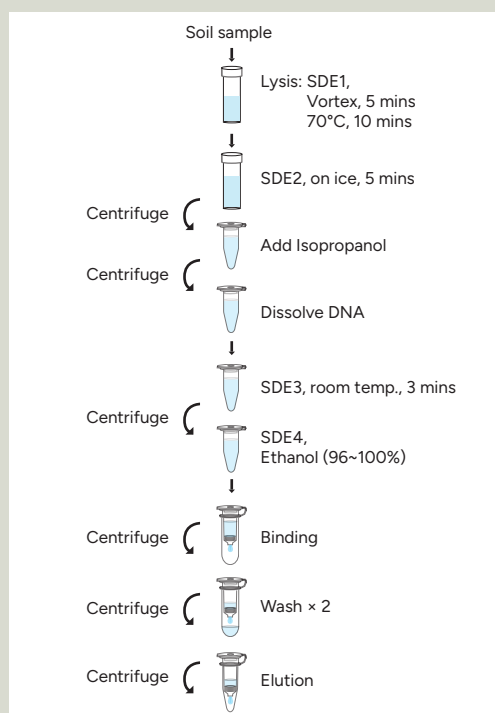
Format/Principle: Spin column (silica matrix)

Sample Size: 0.25~0.5 g

Operation Time: < 60 mins

Applications

PCR, real-time PCR; infectious disease research; NGS.



Ordering Information

Cat. No.	Product Name	Size	Contents
FASO1023 FASO1024	FavorPrep™ Soil DNA Isolation Mini Kit	50 preps 100 preps	SDE1 Buffer SDE2 Buffer SDE3 Buffer SDE4 Buffer Wash Buffer (Concentrate) Elution Buffer SDE Mini Columns Collection Tubes Elution Tubes Bead Tubes

FavorPrep™ Fungi/Yeast Genomic DNA Extraction Mini Kit



Description

The FavorPrep™ Fungi/Yeast Genomic DNA Extraction Mini Kit is designed for the purification of DNA from fungus and yeast cells. The enzyme treatment (lyticase & proteinase K) and bead-beating homogenization are applied to lyse samples efficiently and improving DNA yield. This kit provides the most complete and effective method to extract application-ready genomic DNA from fungi and yeast samples.

Features

Time Saving: Rapid isolation of ready-to-use DNA within 60 mins; no phenol/chloroform.

High Purity: Purified DNA is used for a variety of applications, including DNA amplification, enzyme digestion, PCR, etc.

Convenience: High-quality DNA; ready-to-use in downstream applications.

Easy to Use: Rapid extraction by beads-beating without sample grinding.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size: 1~5×10⁶

Operation Time: < 60 mins

Binding Capacity: **Operation Time:** < 60 mins/Column

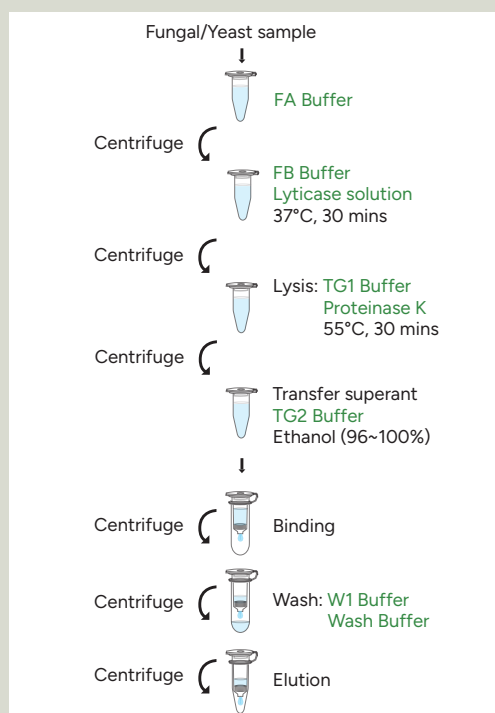
Column Applicability: Centrifugation and vacuum

Applications

PCR; qPCR; Southern blotting; AFLP; RFLP/PADP.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAFY1023 FAFY1024	FavorPrep™ Fungi/Yeast Genomic DNA Extraction Mini Kit	50 preps 100 preps	Beads Tubes FA Buffer FB Buffer TG1 Buffer TG2 Buffer W1 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer Lyticase Solution Proteinase K (Liquid) TG Mini Columns Collection Tubes Elution Tubes



FavorPrep™ Food DNA Extraction Mini Kit



Description

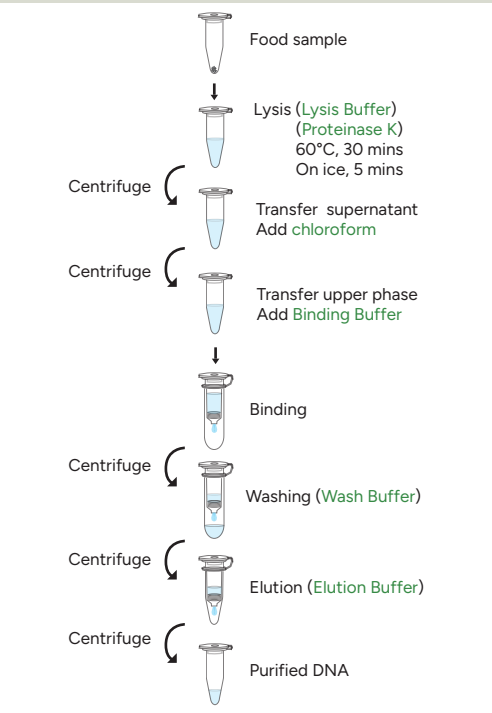
FavorPrep™ Food DNA Extraction Mini Kit is designed for rapid extraction of pure genomic DNA from a wide range of food sample types. The impurities (proteins, lipids and other organic compounds) can be removed by the washing steps. High recovery rate of short DNA fragments from processed food samples which is subjected to heat, irradiation and high pressure is executed with optional steps. The purified DNA is ready-to-use for downstream applications.

Features

- High Purity:** Complete removal of PCR inhibitors.
- Time Saving:** < 60 mins
- Versatile:** Wide compatibility with a variety of food products.
- Easy to Use:** With chaotropic salt buffer technology for cell lysis and convenient spin columns.

Specifications

- Format/Principle:** Spin column (silica matrix)
- Sample Size:** 200 mg to 2 g
- Operation Time:** < 60 mins
- Binding Capacity:** ≤ 60 µg DNA/Column
- Column Applicability:** Centrifugation



Applications

PCR; qPCR; Southern blotting; DNA sequencing; micro-array.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAFD1023	FavorPrep™ Food DNA Extraction Mini Kit	50 preps	Lysis Buffer Binding Buffer Wash Buffer (Concentrate) Proteinase K (Liquid) Elution Buffer Binding Columns Collection Tubes

FavorPrep™ Milk Bacterial DNA Extraction Mini Kit



Description

The FavorPrep™ Milk Bacterial DNA Extraction Kit provides a rapid enzymatic method and special chaotropic salt buffer to purify genomic DNA from both Gram-negative and Gram-positive bacteria in low bacterial densities of milk samples. High quality DNA is free of inhibitors and ready-to-use for downstream applications.

Features

High Quality DNA: Inhibitor-free and ready-to-use in all molecular biology applications.

Safe Use: Phenol/chloroform-free extraction method.

Easy and Fast: Fast and efficient spin column format.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size: Up to 1 ml milk

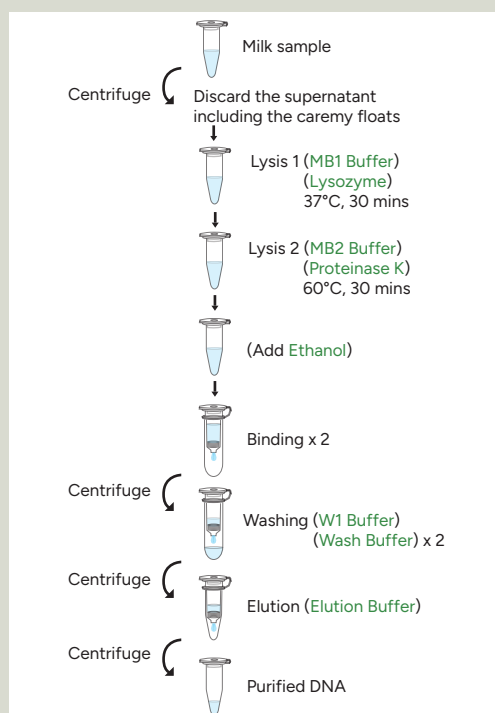
Operation Time: < 75 mins

Binding Capacity: ≤ 60 µg DNA/Column

Column Applicability: Centrifugation

Applications

PCR; qPCR; Southern blotting; DNA sequencing; micro-array.



Ordering Information

Cat. No.	Product Name	Size	Contents
FAMB1023	FavorPrep™ Milk Bacterial DNA Extraction Mini Kit	50 preps	Lysis Buffer MB1 Lysis Buffer MB2 W1 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer Lysozyme (Lyophilized) Proteinase K (Liquid) Binding Column W4 Collection Tubes

FavorPrep™ Genomic DNA Clean Up Mini Kit



Description

The FavorPrep™ Genomic DNA Clean Up Mini Kit is designed for rapid genomic DNA clean up. It isolates ultrapure, large-sized DNA from enzymatic reactions or other impure preparations. This kit utilizes silica-based spin column technology for DNA binding which exhibits high DNA recovery rate. The ultrapure DNA is ready-to-use in varied applications and extracted only in three steps (binding, washing and elution).

Features

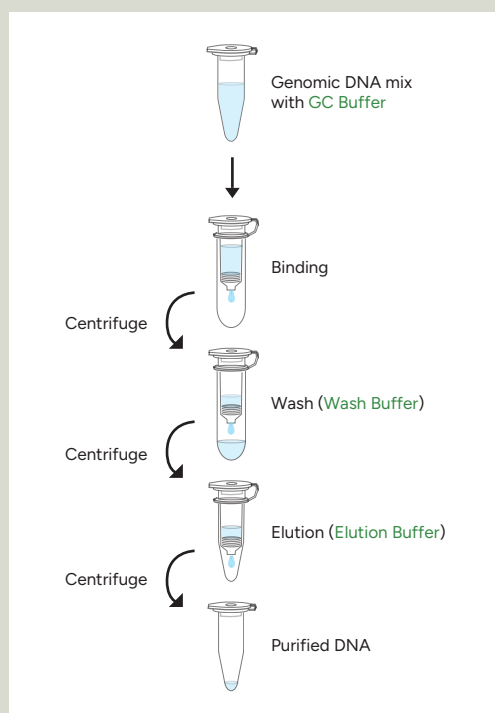
- Quick/Easy to Use:** Fast extraction in only three steps.
- Safety:** No phenol/chloroform and ethanol precipitation steps.
- High Purity:** Effectively remove impure molecules.

Specifications

- Sample Size:** Up to 100 µl of genomic DNA (≤ 60 µg of genomic DNA)
- Recovery:** 80~95%
- Binding Capacity:** ≤ 60 µg DNA/Column
- Handling Time:** ≤ 15 mins

Applications

PCR; qPCR; DNA sequencing; microarray; enzymatic digestion; NGS.



Ordering Information

Cat. No.	Product Name	Size	Contents
FADC1023 FADC1025	FavorPrep™ Genomic DNA Clean Up Mini Kit	50 preps 200 preps	GC Buffer Wash Buffer (Concentrate) Elution Buffer GC Columns Collection Tubes Elution Tubes

FavorPrep™ Gel Purification Mini Kit



Description

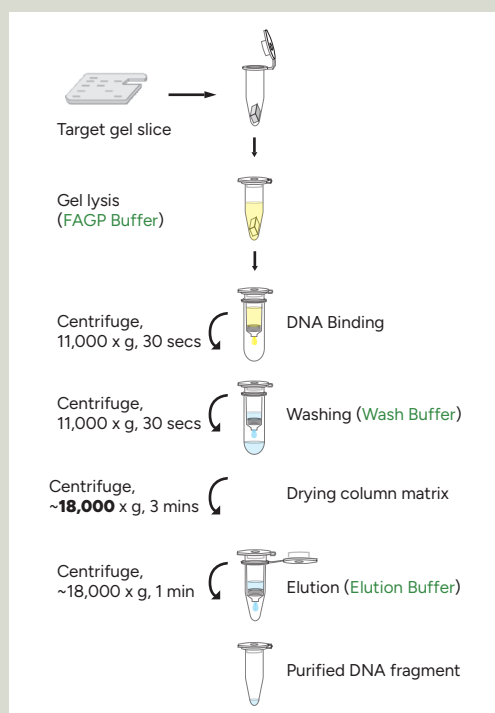
The FavorPrep™ Gel Purification Mini Kit is designed to rapidly recover DNA fragments from TAE and TBE agarose gels. This kit includes silica-based spin column for DNA binding and has high recovery rate of agarose gels. The purified DNA fragments are ready-to-use for DNA sequencing, restriction enzyme digestion, DNA labeling and ligation reactions.

Features

Quick: Rapid extraction of DNA fragments from agarose gels.
High Quality: Recover high quality DNA; ready-to-use for common downstream applications.
Safe: No caustic organic compounds.

Specifications

Format/Principle: Spin column (silica matrix)
DNA Binding Capacity: $\leq 20 \mu\text{g}$ DNA/Column
Sample Size: $\leq 200 \text{ mg}$ of agarose gel
DNA Size: 65 bp~10 kbp
Operation Time: $\leq 25 \text{ mins}$
Recovery: 70~85% for gel extraction
Minimum Elution Volume: 20 μl



Applications

PCR; DNA sequencing; restriction enzyme digestion; DNA labeling; ligation and transformation.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAGP1023 FAGP1025 FAGP1026	FavorPrep™ Gel Purification Mini Kit	50 preps 200 preps 300 preps	FASP Buffer Wash Buffer (Concentrate) Elution Buffer FASP Columns Collection Tubes Elution Tubes

FavorPrep™ Gel Purification Micro Kit



Description

The FavorPrep™ Gel Purification Micro Kit is designed to rapidly recover DNA fragments from TAE and TBE agarose gels. This kit includes a special micro silica-based spin column that allows concentrating DNA in a small elution volume. The purified DNA fragments are ready-to-use for DNA sequencing, restriction enzyme digestion, DNA labeling and ligation reactions.

Features

Yield Concentrated DNA: Minimum elution volume is 10 μ l.

Quick: Rapid extraction of DNA fragments from agarose gel.

High Quality: Recover high quality DNA; ready-to-use for common downstream applications.

Safe: Phenol/chloroform-free.

Specifications

Format/Principle: Spin column (silica matrix)

DNA Binding Capacity: $\leq 5 \mu$ g DNA/Column

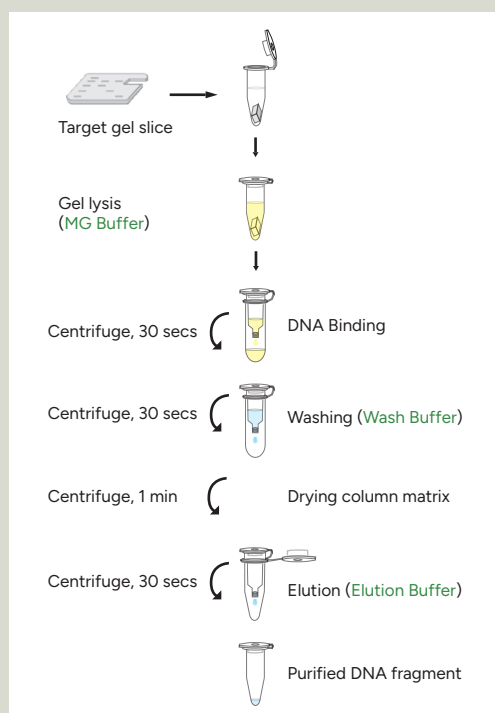
Sample Size: ≤ 200 mg of agarose gel

DNA Size: 65 bp~10 kbp

Operation Time: 20 mins

Recovery: 80~90% for gel extraction

Minimum Elution Volume: 10 μ l



Applications

PCR; DNA sequencing; restriction enzyme digestion; DNA labeling; ligation and transformation.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAGP1013 FAGP1015	FavorPrep™ Gel Purification Micro Kit	50 preps 200 preps	MG Buffer Wash Buffer (Concentrate) Elution Buffer MG Columns Collection Tubes

FavorPrep™ PCR Clean Up Mini Kit



Description

The FavorPrep™ PCR Clean Up Mini Kit is designed for cleaning up DNA fragments from PCR product and other enzymatic reactions. With silica-based spin columns and special size-selection buffers, the range of DNA size is between 65 bp~10 kbp; the 20~40 oligonucleotide fragments will be removed. The purified DNA is ready-to-use for various applications with three easy steps (binding, washing and elution).

Features

High Recovery: Up to 95% recovery rate.

Quick: Rapid purification of DNA fragments; three steps only.

High Quality: Recover high quality DNA; ready-to-use for common downstream applications.

Safe: Phenol/chloroform-free.

Specifications

Format/Principle: Spin column (silica matrix)

DNA Binding Capacity: ≤ 20 µg/Column

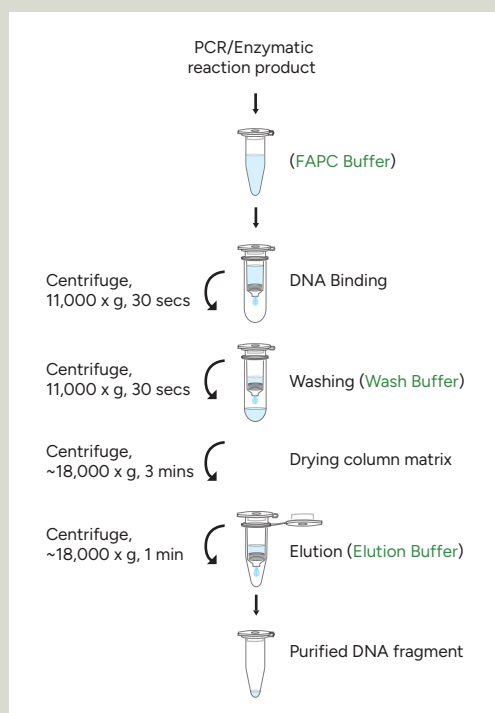
Sample Size: ≤ 100 µl of reaction solution

DNA Size: 65 bp~10 kbp

Recovery: 85~95% for PCR clean up

Operation Time: ≤ 15 mins

Minimum Elution Volume: 20 µl



Applications

PCR; fluorescent or radioactive sequencing; restriction digestion; DNA labeling; ligation and transformation.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAPC1023	FavorPrep™ PCR Clean Up Mini Kit	50 preps	FAPC Buffer
FAPC1025		200 preps	Wash Buffer (Concentrate)
FAPC1026		300 preps	Elution Buffer
			FAPC Columns
			Collection Tubes
			Elution Tubes

FavorPrep™ PCR Clean Up Micro Kit



Description

The FavorPrep™ PCR Clean Up Micro Kit is designed for cleaning up DNA fragments from PCR product and other enzymatic reactions. A special micro column allows concentrating DNA with small elution volume. With silica-based spin columns and special size-selection buffers, the range of DNA size is between 65 bp~10 kbp; the 20~40 oligonucleotide fragments will be removed. The purified DNA is ready-to-use in various applications with three easy steps (binding, washing and elution).

Features

High Recovery: Up to 90% recovery rate.

Yield Concentrated DNA: Minimum elution volume is 10 µl.

Quick: Rapid purification of DNA fragments; three steps only.

High Quality: Recover high quality DNA; ready-to-use for common downstream applications.

Safe: Phenol/chloroform-free.

Specifications

Format/Principle: Spin column (silica matrix)

DNA Binding Capacity: ≤ 5 µg/Column

Sample Size: ≤ 100 µl of reaction solution

DNA Size: 65 bp~10 kbp

Recovery: 80~90% for PCR clean up

Operation Time: ≤ 15 mins

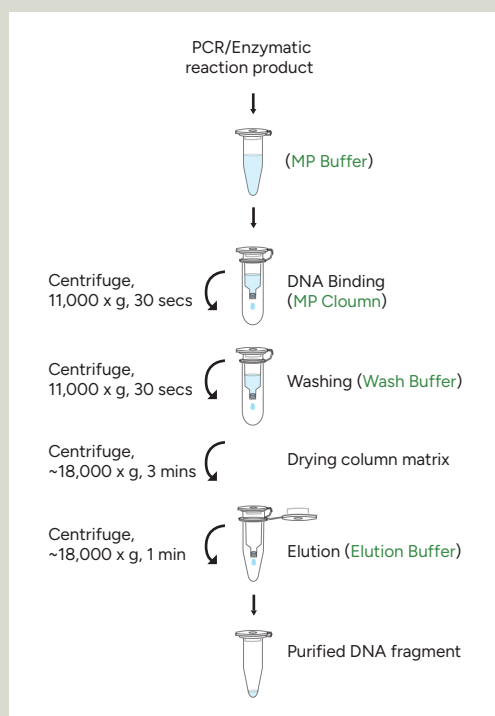
Minimum Elution Volume: 10 µl

Applications

PCR; fluorescent or radioactive sequencing; restriction digestion; DNA labeling; ligation and transformation.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAPC1013 FAPC1014	FavorPrep™ PCR Clean Up Micro Kit	50 preps 100 preps	MP Buffer Wash Buffer (Concentrate) Elution Buffer MP Columns Collection Tubes



FavorPrep™ Gel/PCR Purification Mini Kit



Description

The FavorPrep™ Gel/PCR Purification Mini Kit is designed to recover and concentrate DNA fragments from agarose gels, PCR or other enzymatic reactions. The unique multi-purpose kit effectively reduces cost in molecular biological laboratory. The purified DNA fragments are ready-to-use for DNA sequencing, restriction enzyme digestion, DNA labeling and ligation reactions.

Features

Versatile: Purify DNA from agarose gels, PCR or other enzymatic reactions. The recovery-fragment size is between 65 bp~10 kbp.

Safe: No phenol/chloroform and other caustic organic compounds.

Time Saving: 10 mins for PCR purification; 20 mins for gel extraction.

Specifications

Format/Principle: Spin column (silica matrix)

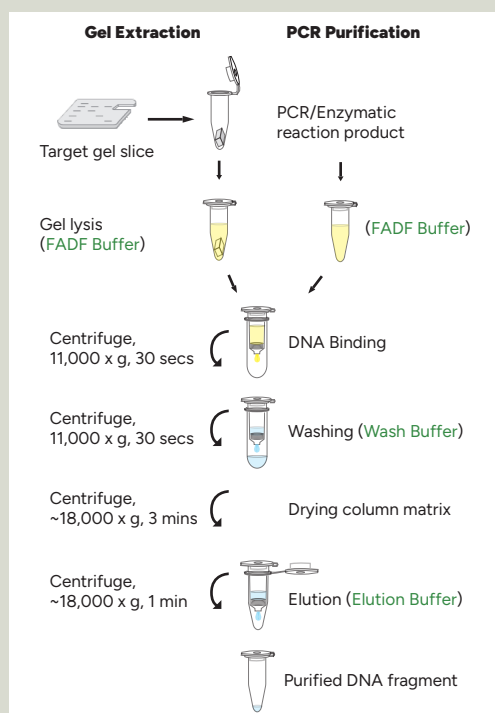
DNA Binding Capacity: ≤ 20 µg/Column

Sample Size: ≤ 300 mg of agarose gel; ≤ 100 µl of PCR product or enzymatic solution.

DNA Size: 65 bp~10 kbp

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

Minimum Elution Volume: 20 µl



Applications

PCR; DNA sequencing; restriction enzyme digestion; DNA labeling; ligation and transformation.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAGC1024 FAGC1026	FavorPrep™ Gel/PCR Purification Mini Kit	100 preps 300 preps	FADF Buffer Wash Buffer (Concentrate) Elution Buffer FADF Columns Collection Tubes

FavorPrep™ Gel/PCR Purification Micro Kit



Description

The FavorPrep™ Gel/PCR Purification Micro Kit allows isolating and concentrating DNA fragments from agarose gels, PCR or other enzymatic reactions. This kit efficiently eliminates impurities and salt from the sample mixture. The purified DNA fragments are ready-to-use for downstream applications, such as DNA sequencing, restriction enzyme digestion, DNA labeling and ligation reactions, and the elution volume can be reduced to 10 µl to obtain high-concentration DNA.

Features

Yield Concentrated DNA: Minimum elution volume is 10 µl.

Quick: Rapid purification of DNA fragments from agarose gels or enzymatic reactions within 20 mins.

High Quality: High-purity DNA is ready-to-use in common downstream applications without phenol/chloroform.

Specifications

Format/Principle: Spin column (silica matrix)

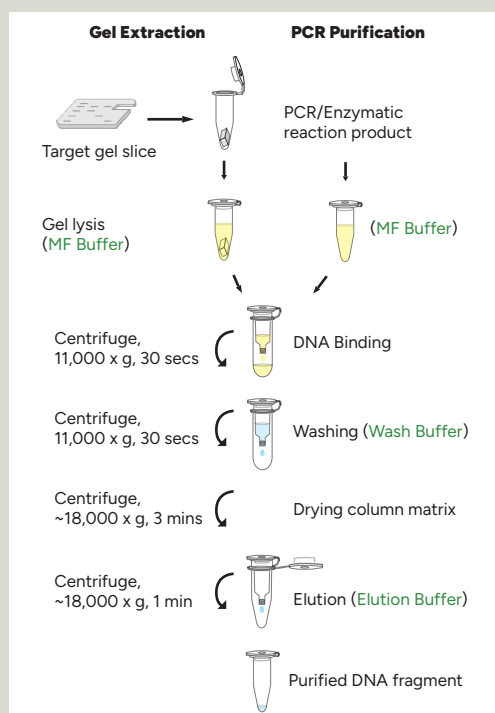
DNA Binding Capacity: ≤ 5 µg/Column

Sample Size: ≤ 200 mg of agarose gel; ≤ 100 µl of PCR product or enzymatic reaction.

DNA Size: 65 bp~10 kbp

Recovery: 70%~85% for gel extraction; 85%~95% for PCR clean-up

Minimum Elution Volume: 10 µl



Applications

PCR; fluorescent or radioactive sequencing; restriction digestion; DNA labeling; ligation and transformation.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAGC1013 FAGC1014	FavorPrep™ Gel/PCR Purification Micro Kit	50 preps 100 preps	MF Buffer Wash Buffer (Concentrate) Elution Buffer MF Columns Collection Tubes

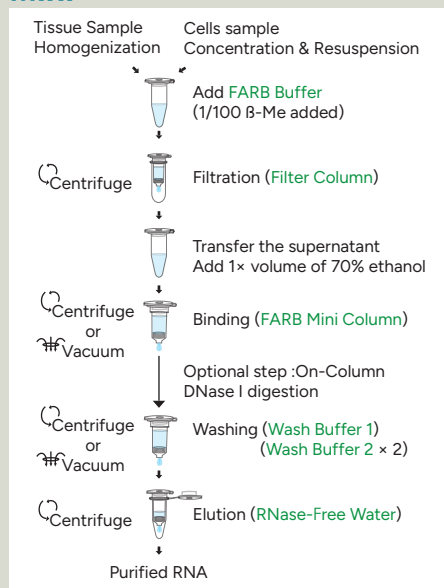
FavorPrep™ Tissue Total RNA Extraction Mini/Maxi Kit



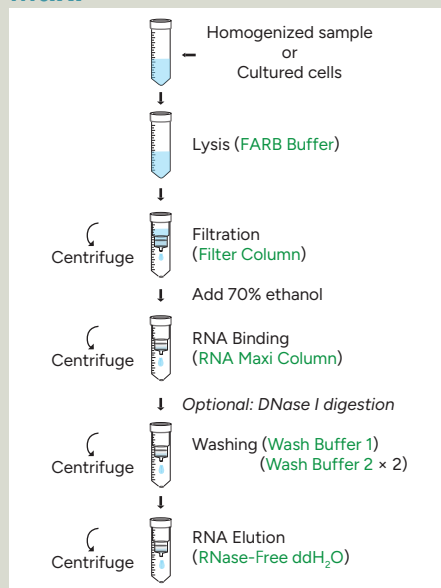
Description

FavorPrep™ Tissue Total RNA Extraction Mini and Maxi Kit is designed for purification of total RNA from animal tissues, cultured animal cells, and bacterial cells by using the chaotropic salt-lysis method without the use of hazardous solvents. The purified RNA is ready-to-use in RT-PCR, RT-qPCR, Northern blotting and cDNA construction.

Mini



Maxi



Features

High Purity: OD 260/280: > 1.9

Safe to Use: Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimize the exposure to hazardous materials.

High Speed: 30~60 mins in whole procedure.

Specifications

Format/Principle: Spin column (silica matrix)

Length of Recovered RNA: > 200 bp

Recommend Sample Size:

Animal tissue	Animal cells
• Mini: 10 mg	• Mini: $\leq 1 \times 10^6$ cells
• Maxi: ≤ 650 mg	• Maxi: $\leq 1.5 \times 10^8$ cells
Bacterial cells	Yeast cells
• Mini: $\leq 1 \times 10^9$ cells	• Mini: $\leq 1 \times 10^7$ cells
• Maxi: $\leq 3 \times 10^{10}$ cells	• Maxi: $\leq 1 \times 10^9$ cells

Column Capacity:

- **Mini:** ≤ 100 μ g RNA/Column
- **Maxi:** ≤ 2 mg RNA/Column

Column Applicability:

Centrifugation and vacuum

Operation Time:

- **Mini:** 30~60 mins
- **Maxi:** 60 mins

Applications

RT-PCR; quantitative real-time PCR; Northern blotting hybridizations; cDNA synthesis; mRNA selection; *in vitro* translation; microarray analysis.

Ordering Information

Cat. No.	Product Name	Size	Contents
FATR1023 FATR1024 FATR1026	FavorPrep™ Tissue Total RNA Extraction Mini Kit	50 preps 100 preps 300 preps	FARB Buffer, Wash Buffer 1 Wash Buffer 2 (Concentrate) RNase-Free Water, Filter Columns FARB Mini Columns, Collection Tubes Elution Tubes, Micropestles
FATR1051 FATR1052	FavorPrep™ Tissue Total RNA Extraction Maxi Kit	10 preps 25 preps	FARB Buffer, Wash Buffer 1 Wash Buffer 2 (Concentrate) RNase-Free ddH ₂ O, Filter Columns RNA Maxi Columns 50 ml Centrifuge Tubes

FavorPrep™ Tissue Total RNA Extraction Micro Kit



Description

The FavorPrep™ Tissue Total RNA Extraction Micro Kit is designed for the rapid extraction of pure and small-scale RNA from various types of tissues, bacteria, fixed tissues or yeast. The minimum elution volume promotes concentrating RNA from small amount sample. The purified RNA is ready-to-use in RT-PCR, Northern blotting, primer extension and cDNA construction.

Features

Yield Concentrated RNA: Minimum elution volume is 12 µl.

Easy to Use: Rapid isolation without the use of caustic organic compounds.

Time Saving: Rapid isolation of RNA from tissue sample; operation time is less than 1 hr.

High quality: Purify high-quality RNA which is ready-to-use in downstream applications.

Specifications

Format/Principle: Spin column (silica matrix)

Operation Time: 30~60 mins

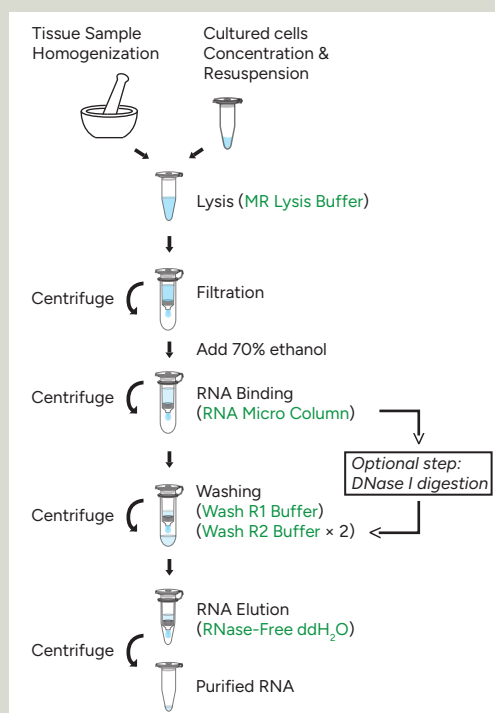
Binding Capacity: ≤ 35 µg RNA/Column

Column Applicability: Centrifugation and vacuum

Sample Size: ≤ 1×10⁶ animal cells; ≤ 5 mg animal tissue.

Applications

RT-qPCR; Northern blotting hybridization; cDNA synthesis; mRNA selection; *in vitro* translation; microarray analysis.



Ordering Information

Cat. No.	Product Name	Size	Contents
FATR103 FATR104	FavorPrep™ Tissue Total RNA Extraction Micro Kit	50 preps 100 preps	MR Lysis Buffer Wash R1 Buffer Wash R2 Buffer (Concentrate) RNase-Free ddH ₂ O Filter Columns RNA Micro Columns Collection Tubes Elution Tubes

FavorPrep™ Total RNA Plus Extraction Mini Kit



Description

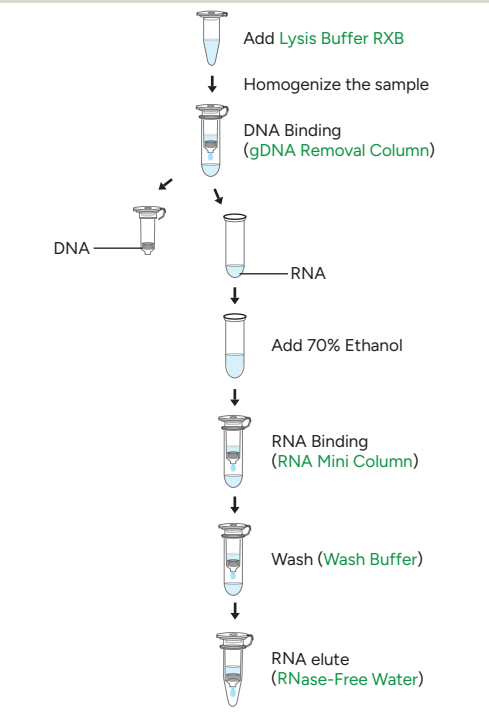
FavorPrep™ Total RNA Plus Extraction Mini Kit is designed for purification of total RNA from a wide range of cell lines and tissues through extraction with efficient gDNA removal step. This kit eliminates gDNA by using unique gDNA Removal Columns without the enzymatic DNase step. The high quality of RNA is suitable for RT-qPCR and sensitive applications.

Features

- Efficient:** Remove genomic DNA by using unique gDNA Removal Column; DNase I digestion is not required.
- High quality:** Eliminate DNA contamination; RNA is ready-to-use for various downstream and sensitive applications.
- Safe:** No phenol/chloroform and ethanol precipitation.

Specifications

- Format/Principle:** Spin column (silica matrix)
- Sample Size:** ≤ 1×10⁷ animal cells; ≤ 30 mg tissue specimens.



Applications

RT-qPCR; Northern blotting hybridizations; cDNA synthesis; mRNA selection; *in vitro* translation; microarray analysis.

Ordering Information

Cat. No.	Product Name	Size	Contents
FATR2023 FATR2024	Favorprep™ Total RNA Plus Extraction Mini Kit	50 preps 100 preps	Lysis Buffer RXB Wash Buffer (Concentrate) RNase-Free Water gDNA Removal Columns RNA Mini Columns Collection Tubes Elution Tubes

FavorPrep™ Total RNA Isolation Mini Kit



Description

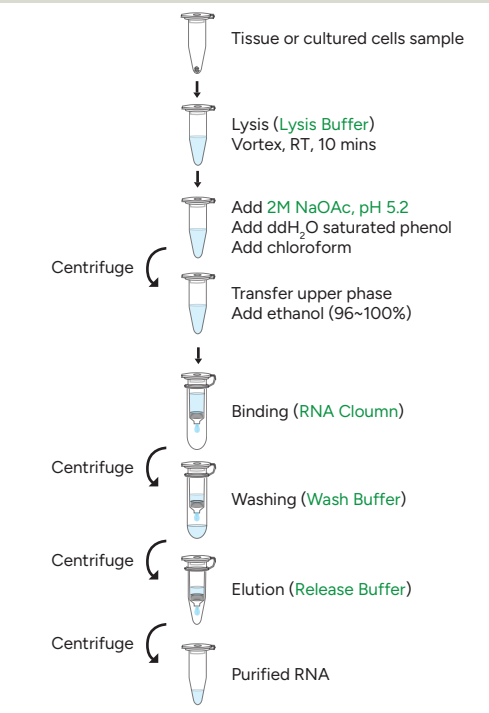
The FavorPrep™ Total RNA Isolation Mini Kit is a column-based RNA extraction kit that is designed to isolate high-quality total RNA from culture cells and animal tissue; the whole process is within 30 mins. The kit includes RNase-free lysis and wash solutions that prevent RNA from RNases in the lysed sample. The purified RNA is ready-to-use for RT-PCR and other downstream applications.

Features

- High Purity:** OD 260/280: > 1.9
- Rapid:** Fast extraction within 30 mins.
- High quality:** The extracted RNA is ready-to-use for various downstream and highly sensitive applications.

Specifications

- Format/Principle:** Spin column (silica matrix).
- Sample Size:** ≤ 1×10⁶ cultured cells; ≤ 50 mg tissue.
- Operation Time:** 30 mins
- Column Applicability:** Centrifugation and vacuum



Applications

RT-qPCR; Northern blotting hybridizations; primer extension; cDNA synthesis; mRNA selection; *in vitro* translation; microarray.

Ordering Information

Cat. No.	Product Name	Size	Contents
FATR3023 FATR3024	FavorPrep™ Total RNA Isolation Mini Kit	50 preps 100 preps	Lysis Buffer 2M NaOAc, pH5.2 Wash Buffer (Concentrate) Release Buffer RNA Columns Collection Tubes

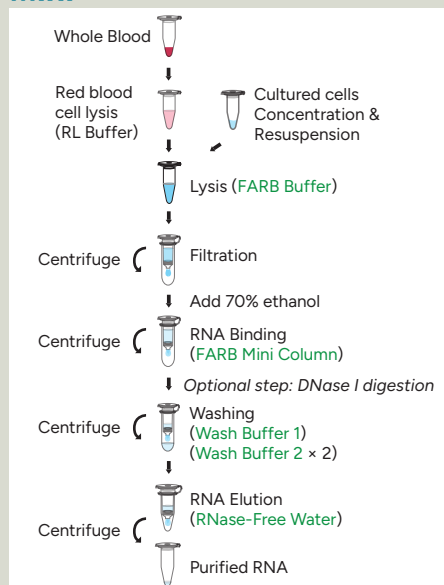
FavorPrep™ Blood/Cultured Cells Total RNA Extraction Mini/Maxi Kit



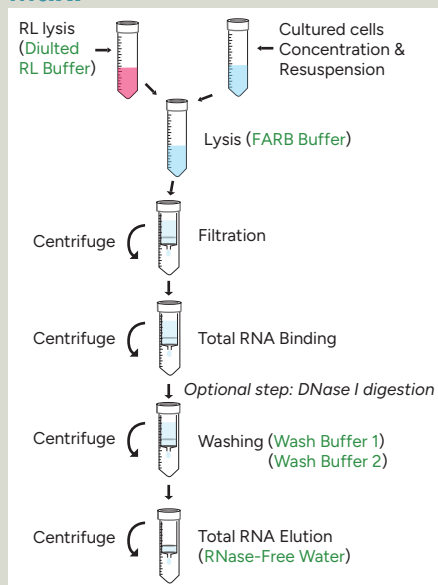
Description

The FavorPrep™ Blood/Cultured Cells Total Extraction RNA Mini/Maxi Kit is designed for purification of total RNA from cultured cells and fresh whole blood. For blood sample, RL buffer is used for optimal lysis of erythrocytes. Detergents and chaotropic salt are used to lyse cells and inactivate RNase. The purified RNA is suitable for various downstream applications.

Mini



Maxi



Features

High Purity: OD 260/280 > 1.9

High Speed: 30~60 mins

Safe to Use: Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimize the exposure to hazardous materials.

Scalable Protocol: Solution based procedure can be scaling up/down to suit the application.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size:

Human fresh whole blood

• **Mini:** 300 µl

• **Maxi:** 10 ml

Cultured cells

• **Mini:** 5×10⁶

• **Maxi:** 5×10⁸

Operation Time:

• **Mini:** 30~60 mins

• **Maxi:** 60 mins

Binding Capacity

• **Mini:** ≤ 100 µg RNA/Column

• **Maxi:** ≤ 2 mg RNA/Column

Ordering Information

Cat. No.	Product Name	Size	Contents
FABR1023 FABR1024 FABR1026	FavorPrep™ Blood/Cultured Cells Total RNA Extraction Mini Kit	50 preps 100 preps 300 preps	RL Buffer/10X RL Buffer FARB Buffer Wash Buffer 1 Wash Buffer 2 (Concentrate) RNase-Free Water
FABR1051 FABR1052	FavorPrep™ Blood/Cultured Cells Total RNA Extraction Maxi Kit	10 preps 25 preps	Filter Columns FARB Mini/Maxi Columns Collection Tubes Elution Tubes

Applications

RT-qPCR; Northern blotting hybridizations; primer extension; cDNA synthesis; mRNA selection; *in vitro* translation; microarray.

FavorPrep™ Whole Blood RNA Extraction Mini Kit



Description

The FavorPrep™ Whole Blood RNA Extraction Mini Kit is designed for rapid and efficient isolation of total RNA from whole blood samples. The kit uses a chaotropic salt-based formula for cell lysis, RNase inactivation and RNA binding (> 200 nts, e.g., 18S, 28S RNA, pri-miRNA) to silica membrane. The optional on-column DNase I digestion technique offers a convenient DNA removal method. The high-purity RNA is eluted from the membrane by using a low-ionic-strength buffer. This extracted total RNA is ready-to-use for downstream applications, such as real-time RT-PCR, cDNA synthesis, Northern blotting, primer extension, miRNA selection, etc.

Features

Rapid: Fast extraction within 30 mins.

High Quality: The purified RNA is ready-to-use for various of applications, including amplification, digestion, PCR, etc.

Safe to Use: Eliminate the use of phenol, chloroform, and cesium chloride; minimize the exposure to hazardous materials.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size: 200~400 µl whole blood

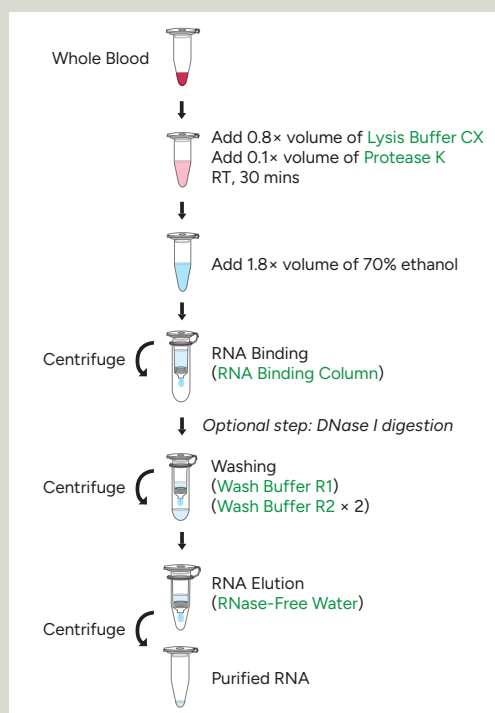
Size of Isolated RNA: > 200 nucleotides

Typical RNA Yield: 5~7 µg per 1 ml whole blood

Operation Time: ≤ 50 mins

Binding Capacity: ≤ 100 µg RNA/Column

Column Applicability: Centrifugation and vacuum



Applications

RT-qPCR; Northern blotting hybridizations; primer extension; cDNA synthesis; mRNA selection; *in vitro* translation; microarray.

Ordering Information

Cat. No.	Product Name	Size	Contents
FABR203 FABR204	FavorPrep™ Whole Blood RNA Extraction Mini Kit	50 preps 100 preps	Lysis Buffer CX Wash Buffer R1 (Concentrate) Wash Buffer R2 (Concentrate) RNase-Free Water Proteinase K (Liquid) RNA Binding Columns Collection Tubes Elution Tubes

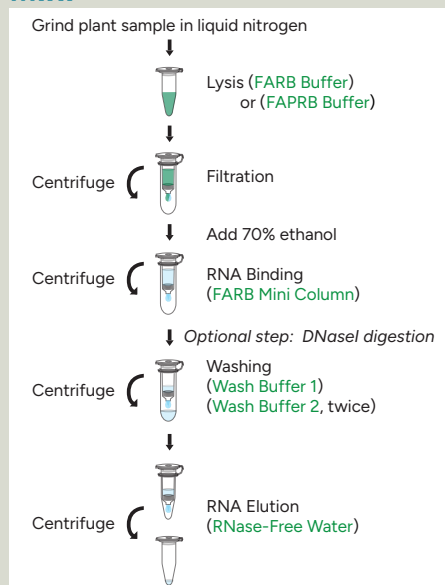
FavorPrep™ Plant Total RNA Extraction Mini/Maxi Kit



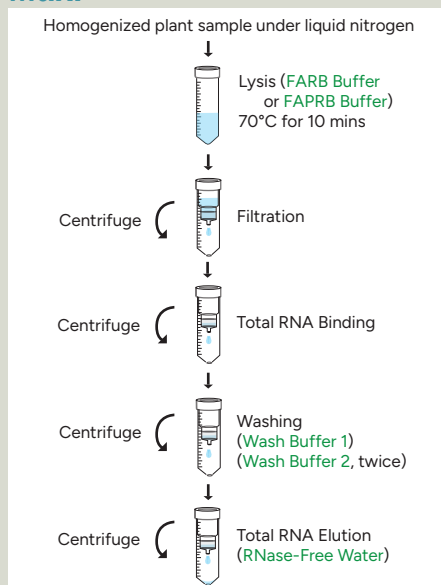
Description

The FavorPrep™ Plant Total RNA Extraction Mini/Maxi Kit is designed for purification of total RNA from plant tissues, plant cells and filamentous fungi. This kit uses the modified salt precipitation procedure and RNase inhibitors to improve extraction efficiency. This kit is quick, efficient, and the RNA purity is available for multiple downstream applications, including RT-PCR, Northern blotting, primer extension and cDNA library construction.

Mini



Maxi



Features

High Purity: OD 260/280: > 1.9

High Speed: 30~60 mins

Safe to Use: Eliminate the use of phenol, chloroform, ethidium bromide, and cesium chloride; minimize the exposure to hazardous materials.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size:

Plant tissue

• **Mini:** ≤ 100 mg

• **Maxi:** ≤ 1 g

Plant cells

• **Mini:** ≤ 1×10⁷

• **Maxi:** ≤ 0.5~1×10⁸

Column Capacity:

• **Mini:** ≤ 100 µg RNA/Column

• **Maxi:** ≤ 2 mg RNA/Column

Expected Yield:

• **Mini:** 5~30 µg of total RNA from 100 mg of tender leaves

• **Maxi:** 50~300 µg of total RNA from 1 g of tender leaves

Operation Time:

• **Mini:** < 60 mins

• **Maxi:** 45~60 mins

Applications

Real-time RT-PCR; Northern blotting hybridization; primer extension; cDNA synthesis; mRNA selection; *in vitro* translation; micro-array.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAPR1023 FAPR1024 FAPR1026	FavorPrep™ Plant Total RNA Extraction Mini Kit	50 preps 100 preps 300 preps	FARB Buffer FAPRB Buffer Wash Buffer 1 Wash Buffer 2 (Concentrate) RNase-Free Water Filter Columns FARB Mini/Maxi Columns Collection Tubes Elution Tubes
FAPR1051 FAPR1052	FavorPrep™ Plant Total RNA Extraction Maxi Kit	10 preps 25 preps	

FavorPrep™ Soil/Stool RNA Extraction Micro Kit



Description

The FavorPrep™ Soil/Stool RNA Extraction Micro Kit is designed for isolation of total RNA from soil and stool samples. Lysis buffer is optimally designed with unique Glass-Beads Tube to lyse samples effectively. Besides, the inhibitors and contaminants in soil and stool samples can be removed. The three different types of spin columns included in this kit allow removing genomic DNA from sample lysates, isolating and concentrating RNA. The entire procedure is not required the phenol/chloroform extraction and the purified RNA is ready-to-use for downstream applications.

Features

- Time Saving:** Rapid isolation of ready-to-use RNA.
- Safe:** No phenol/chloroform.
- High Purity:** Eliminate humic acid, polysaccharides and enzyme inhibitors from soil or stool samples.
- Convenience:** High-quality RNA; ready-to-use for downstream applications.
- Easy-to-use:** Fast extraction by beads beating without sample grinding.

Specifications

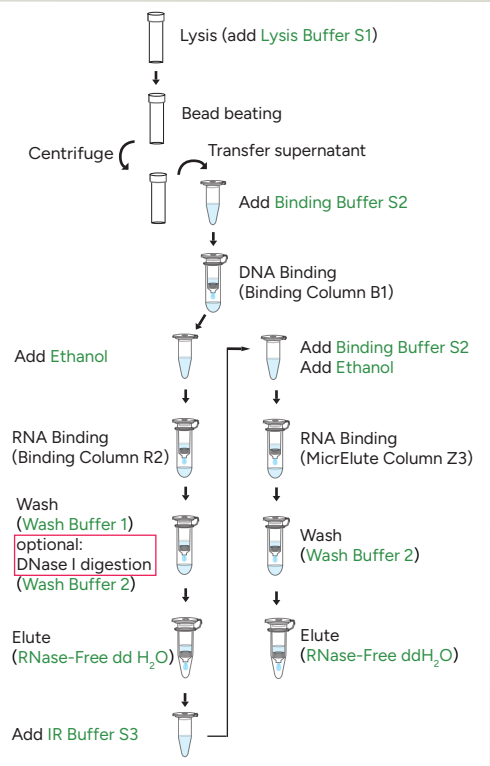
- Format/Principle:** Spin column (silica matrix)
- Sample Size:** ≤ 250 mg soil or stool
- Minimum Elution Volume:** 10 µl

Applications

RT-PCR; infectious disease research; NGS; microarray

Ordering Information

Cat. No.	Product Name	Size	Contents
FASS1014	FavorPrep™ Soil/Stool RNA Extraction Micro Kit	100 preps	Bead Tubes Lysis Buffer S1 Binding Buffer S2 IR Buffer S3 Wash Buffer 1 (Concentrate) Wash Buffer 2 (Concentrate) RNase-Free ddH ₂ O Binding Column B1 Binding Column R2 MicroElute Column Z3 Collection Tubes Elution Tubes



FavorPrep™ RNA Clean Up Mini Kit



Description

The FavorPrep™ RNA Clean Up Mini Kit is designed for fast cleaning up RNA which was isolated by other methods, such as guanidine isothiocyanate/phenol/chloroform extraction or lithium chloride/phenol/chloroform extraction. It is also suitable for fast cleaning up RNA from enzymatic reaction mixture, such as RNA labeling or DNase I digestion. In the purification procedure, the efficient reagents combining with the convenient spin-column system efficiently remove impurities. The phenol-chloroform is not required in the whole process; the extraction can be finished within 10 mins. After using this purification kit, the purified RNA is ready-to-use for RT-PCR and other downstream applications.

Features

Quick: Rapid clean-up of RNA from sample in less than 10 mins.

High Quality: Obtain ultrapure RNA for sensitive downstream applications.

Easy to Use: Execute RNA clean-up directly after the organic extraction methods; isopropanol precipitation is not required.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size: ≤ 100 µl of RNA sample or enzymatic reaction mixture.

High Purity: OD 260/280 1.9~2.1

Binding Capacity: ≤ 100 µg RNA/Column

Operation Time: < 10 mins

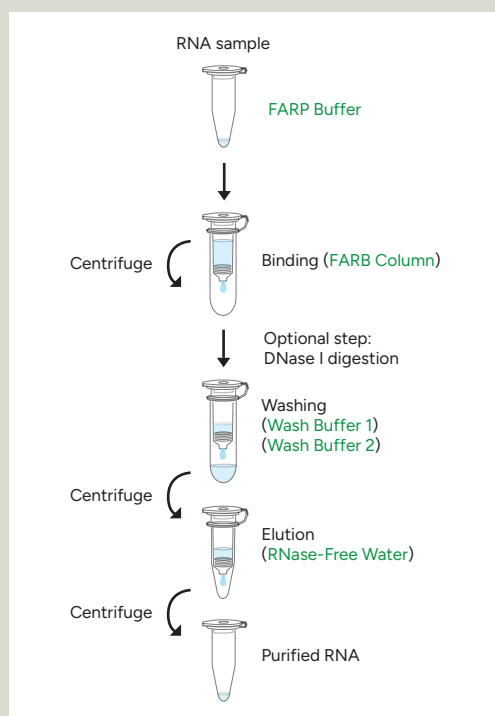
Expected Recovery: 85~95%

Applications

RT-qPCR; Northern blotting hybridization; primer extension; cDNA synthesis; *in vitro* translation; microarray.

Ordering Information

Cat. No.	Product Name	Size	Contents
FARC1023 FARC1025	FavorPrep™ RNA Clean Up Mini Kit	50 preps 200 preps	FARP Buffer Wash Buffer 1 Wash Buffer 2 (Concentrate) RNase-Free Water FARB Mini Columns Collection Tubes Elution Tubes



FavorPrep™ Circulating Nucleic Acid Isolation Mini Kit



Description

FavorPrep™ Circulating Nucleic Acid Isolation Mini Kit is designed for rapid and efficient purification of circulating cell-free nucleic acids. The system utilizes silica column with column extender to purify cell-free nucleic acids; the effective sample volume is 1 ml to 5 ml. The optimized buffers are developed to permit efficient recovery (< 1000 bps in DNA; < 1000 nts in RNA) of cell-free nucleic acids. The recovered nucleic acids are suitable for a wide range of down-stream applications, such as bisulfite sequencing, NGS and qPCR.

Features

Efficient: Efficient isolation of cell-free DNA (< 1000 bps) and RNA (< 1000 nts) from 1-5 ml plasma or serum samples.

High Purity: Complete removal of contaminants and inhibitors for reliable downstream applications.

Time Saving: Rapid purification of high-quality cell-free DNA and RNA within 60 mins.

Specifications

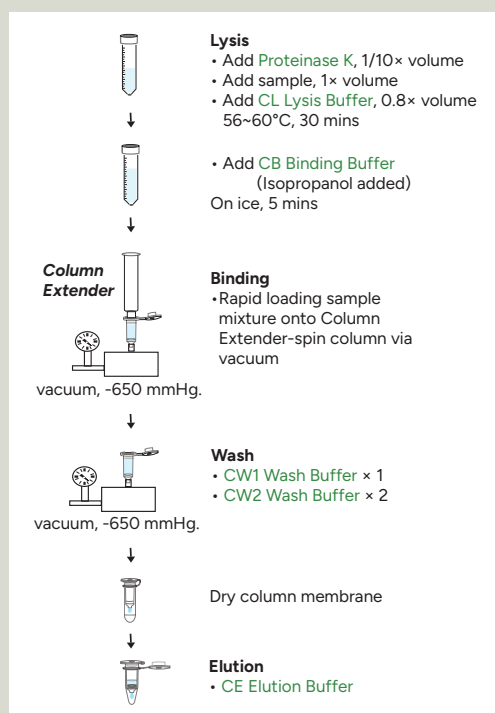
Format/Principle: Spin column (silica matrix)

Sample Size: 1~5 ml human plasma or serum

Operation Time: < 60 mins

Minimum Elution Volume: 40 µl

Column Applicability: Centrifugation and vacuum



Applications

PCR; real-time PCR; NGS; precision medicine; disease diagnostics.

Ordering Information

Cat. No.	Product Name	Size	Contents
FACN1023	FavorPrep™ Circulating Nucleic Acid Isolation Mini Kit	50 preps	CL Lysis Buffer CB Binding Buffer (Concentrate) CW1 Wash Buffer (Concentrate) CW2 Wash Buffer (Concentrate) CE Elution Buffer Proteinase K (Liquid) CF Columns Collection Tubes Elution Tubes Column Extender

FavorPrep™ miRNA Isolation Mini Kit



Description

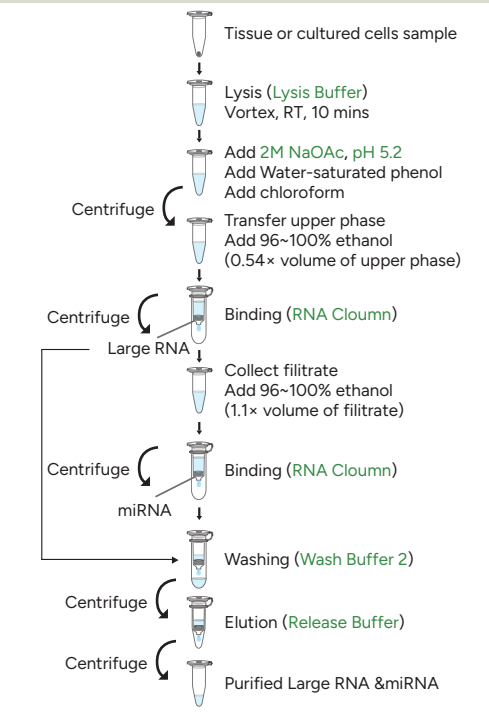
FavorPrep™ miRNA Isolation Mini Kit is designed for purification of microRNAs (miRNAs) and other small cellular RNAs from tissue or cultured cells. Different from general RNA isolation kits, this kit was designed specifically for small RNAs with minimal contamination from large RNA molecules or genomic DNA. Purification of small RNAs allows researchers to study functional rules of miRNA in various biological pathways and gene regulations.

Features

- Compatible:** Available for various cell and tissue types.
- Efficient:** Enrich and recover small RNA fragments; remove predominant larger RNAs.
- Time Saving:** 30 mins.

Specifications

- Format/Principle:** Spin column (silica matrix)
- Sample Size:** ≤ 1×10⁶ cultured cells; ≤ 50 mg tissue.
- Operation Time:** 30 mins.
- Column Applicability:** Centrifugation and vacuum



Applications

RT-qPCR; Northern blotting hybridizations; *in vitro* translation; microarray.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAMI1023	FavorPrep™ miRNA Isolation Mini Kit	50 preps	Lysis Buffer 2M NaOAc, pH5.2 Wash Buffer 2 (Concentrate) Release Buffer RNA Columns Collection Tubes
FAMI1024		100 preps	

FavorPrep™ Viral DNA/RNA Extraction Mini Kit



Description

FavorPrep™ Viral DNA/RNA Extraction Mini Kit is specifically designed for extraction of highly pure viral nucleic acid from viruses contained cell-free specimen. It is exclusively intended to be used only by trained professionals. The carrier RNA included in this kit improves the ability to viral RNA binding to the VNE Column, especially in low-titer specimens. The guanidium salt contained buffer formula inactivates viruses and prevents the residual nuclease activity from viral DNA or RNA degradation. This kit provides a reliable and efficient way to extract high-purity viral nucleic acid; total operation time can be shortened to 30 mins.

Features

High Recovery: Carrier RNA is provided, specifically for low-viral-load samples.

High Purity: Complete removal of contaminants and inhibitors for reliable downstream applications.

High Speed: Rapid purification of high-quality viral DNA and RNA within 30 mins.

Specifications

Format/Principle: Spin column (silica matrix)

Sample Size: 140 µl cell-free fluid such as serums, plasma, body fluids, and cell-cultured supernatants and transport medium of swabs.

Operation Time: < 20 mins

Recovery Rate: 80~90%

Length of Recovery Nucleic Acid: > 200 bp

Column Binding Capacity: ≤ 60 µg/Column

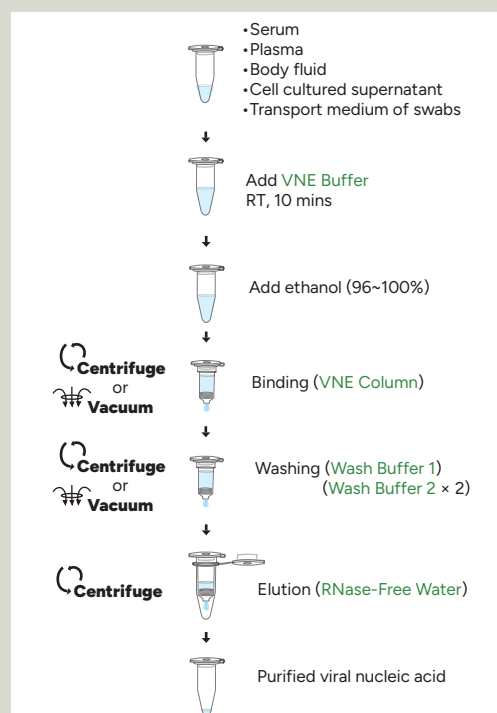
Column Applicability: Centrifugation and vacuum

Applications

Medicolegal analysis; PCR and real time PCR; Southern blotting; next-generation sequencing; micro-array assay.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAVN1023 FAVN1024 FAVN1026	FavorPrep™ Viral DNA/RNA Extraction Mini Kit	50 preps 100 preps 300 preps	VNE Buffer Carrier RNA Wash Buffer 1 (Concentrate) Wash Buffer 2 (Concentrate) RNase-Free Water VNE Columns Collection Tubes Elution Tubes



FavorPrep™ Viral Nucleic Acid Extraction Mini Kit



Description

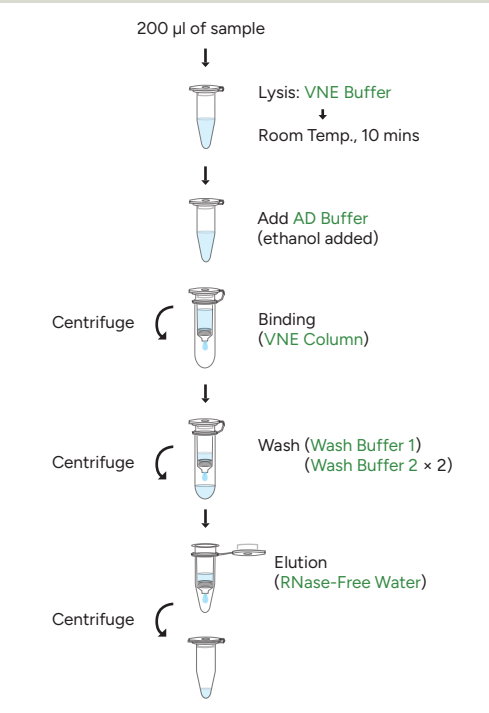
The FavorPrep™ Viral Nucleic Acid Extraction Min Kit is specifically designed to isolate high-quality viral nucleic acids from RNA or DNA viruses within 20 mins. The kit provides quick protocol for samples with a higher viral loading capacity due to additional AD Buffer for DNA/RNA binding. The purity of extracted nucleic acids allows the use for various downstream applications.

Features

- High Recovery:** Unique AD Buffer samples with higher viral loading capacity.
- High Purity:** Complete removal of contaminants and inhibitors for reliable downstream applications.
- High Speed:** Rapid purification of high-quality viral DNA or RNA within 20 mins.

Specifications

- Format/Principle:** Spin column (silica matrix)
- Sample Size:** 200 µl cell-free fluid such as serum, plasma, body fluid and cell cultured supernatant.
- Operation Time:** 20 mins
- Recovery Rate:** 70~90%
- Length of Recovery Nucleic Acid:** > 200 bp
- Column Binding Capacity:** ≤ 60 µg/Column



Applications

PCR; qPCR; RT-qPCR.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAVN2023 FAVN2024 FAVN2026	FavorPrep™ Viral Nucleic Acid Extraction Mini Kit	50 preps 100 preps 300 preps	AD Buffer (Concentrate) VNE Buffer Wash Buffer 1 (Concentrate) Wash Buffer 2 (Concentrate) RNase-Free Water VNE Columns Collection Tubes Elution Tubes

FavorPrep™ Plasmid Extraction 96-Well Kit



Description

The FavorPrep™ Plasmid DNA Extraction 96-Well Kit is designed for high throughput isolation of plasmid DNA. The technology is based on alkaline lysis followed by adsorption of DNA onto silica membrane in the presence of chaotropic salt. The extracted DNA can be used in a variety of applications such as PCR, cloning, sequencing, *in vitro* transcription and labeling.

Features

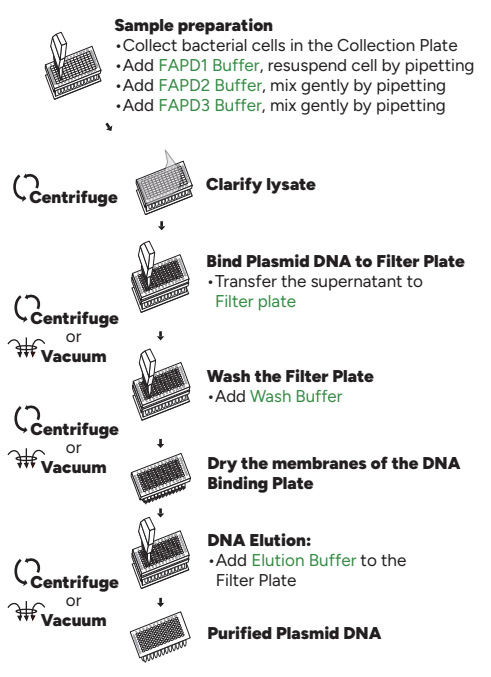
- Efficient:** High yield of plasmid DNA (up to 20 µg from 1~5 ml overnight cultures).
- Convenient:** No need for phenol, chloroform and alcohol precipitation; minimize the expose to hazardous materials.
- High Quality:** Optimized buffers are included for maximum of DNA purity and yield.

Specifications

- Format/Principle:** 96-well binding plate (silica matrix)
- Sample Size:** 1~5 ml bacterial culture/preparation
- Operation Time:** 60 mins/96 preparations
- Binding Capacity:** ≤ 60 µg DNA/Well
- Plate Applicability:** Vacuum and centrifugation

Applications

Fluorescent or radioactive sequencing; restriction enzyme digestion; library screening; ligation and transformation; DNA sequencing; transfection of robust cells; *in vitro* translation.



Ordering Information

Cat. No.	Product Name	Size	Contents
FSPD107A FSPD107B FSPD107C	FavorPrep™ Plasmid DNA Extraction 96-Well Kit	1 plate 2 plates 4 plates	FAPD1 Buffer FAPD2 Buffer FAPD3 Buffer Wash Buffer (Concentrate) Elution Buffer RNase A Solution Filter Plate (96-Well Plasmid Binding Plate) Collection Plate (96-Well 2 ml Plate) Elution Plate (96-Well PCR Plate) Adhesive Film

FavorPrep™ Tissue Genomic DNA Extraction 96-Well Kit



Description

FavorPrep™ Tissue Genomic DNA Extraction 96-Well Kit is specially designed for purification of total DNA (including genomic, mitochondrial, and viral DNA) from a wide variety of animal samples. Each sample type uses specialized lysis procedure and optimized lysis buffer to enhance proteinase K activity. DNA in chaotropic salt is bound to special 96-Well Filter plate in a batch. After washing and elution procedure, the purified DNA is ready-to-use for multiple applications, such as qPCR and library preparation in NGS sequencing.

Features

Time Saving: Rapid isolation of genomic DNA from tissue samples within 90 mins (depending on the sample type).

Quick: The procedure allows parallel purification up to 96 samples.

Flexibility: Extraction of genomic DNAs from various types of tissue, cultured cells or whole blood, buffy coat, body fluids, etc.

Safe: No caustic organic compounds.

Specifications

Format/Principle: 96-well binding plate (silica matrix)

Sample Size: ≤ 200 µl fresh/frozen whole blood, buffy coat, serum, plasma, body fluids; ≤ 25 mg animal tissue; ≤ 5×10⁶ animal cultured cells.

Operation Time: Within 90 mins/96 preparations

Expected Yield: 4~12 µg whole blood; 15~20 µg animal culture cells; 5~30 µg animal tissue.

Binding Capacity: ≤ 30 µg DNA/Well

Plate Applicability: Vacuum and centrifugation

Sample preparation

For whole blood, buffy coat, serum, plasma, body fluids

- Add Proteinase K
- Add Sample
- Add FATG2 Buffer
- 60°C, 20 mins
- Add ethanol (96~100%)

For animal tissues and cultured cells

- Collect samples in 96-well 2 ml Plate
- Add Proteinase K & FATG1 Buffer
- For animal tissues: 60°C, 1-2 hrs
- For cultured cells: 60°C, 20 mins
- Add FATG2 Buffer
- 70°C, 10 mins
- Add ethanol (96~100%)

Bind DNA to Filter Plate

- Transfer the sample mixture to Filter plate

Wash the Filter Plate

- Add W1 Buffer
- Add Wash Buffer

Dry the membranes of the Filter Plate

DNA Elution

- Add Elution Buffer to the Filter Plate

Purified DNA

Applications

PCR; real-time PCR; Southern blotting; SNP genotyping; microarray analysis; NGS.

Ordering Information

Cat. No.	Product Name	Size	Contents
FATG107A FATG107B FATG107C	FavorPrep™ Tissue Genomic DNA Extraction 96-Well Kit	1 plate 2 plates 4 plates	FATG1 Buffer FATG2 Buffer W1 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer Proteinase K (Liquid) Filter Plate (96-Well DNA Binding Plate) Collection Plate (96-Well 2 ml Plate) Elution Plate (96-Well PCR Plate) Adhesive Film

FavorPrep™ Plant Genomic DNA Extraction 96-Well Kit



Description

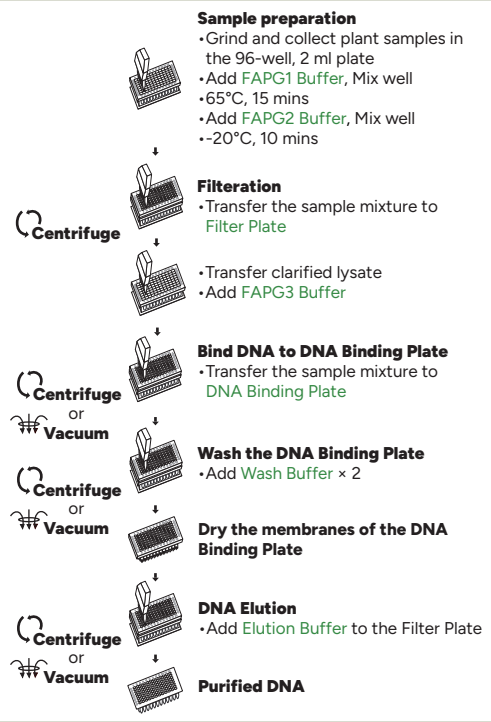
The FavorPrep™ Plant Genomic DNA Extraction 96-Well Kit is an efficient and easy-to-use tool and specially designed for genomic DNA extraction from plant tissue or cultured plant cells. The kit includes optimized formulated lysis buffer to lyse plant cells and remove polysaccharides from the sample mixture; the 96-Well Filter Plate removes unwanted particles. Silica-based 96-Well DNA Binding plate and FAPG3 Buffer are specially designed for plant genomic DNA extraction that enables optimal performance. The whole procedure allows parallel purification up to 96 plant samples in less than one hour.

Features

- Quick:** The procedure allows parallel purification up to 96 samples.
- Safe:** Effectively remove proteins and nuclease in cells; not necessary to treat the sample with harmful organic solvents.
- Versatile:** Extract plant genomic DNA from various plant sources.
- High Quality:** Isolate high-quality DNA suitable for a variety of applications.

Specifications

- Format/Principle:** 96-well binding plate (silica matrix)
- Sample Amount Size:** ≤ 50 mg of fresh or frozen plant tissue; ≤ 15 mg of dry plant tissue; ≤ 5×10⁶ plant cells.
- Operation Time:** 60 mins/96 preparations
- Expected Yield:** 5~30 μg
- Binding Capacity:** ≤ 30 μg DNA/Well
- Plate Applicability:** Vacuum and centrifugation



Applications

PCR; qPCR; Southern blotting; DNA sequencing; SNP genotyping.

Ordering Information

Cat. No.	Product Name	Size	Contents
FAPG107A FAPG107B FAPG107C	FavorPrep™ Plant Genomic DNA Extraction 96-Well Kit	1 plate 2 plates 4 plates	FAPG1 Buffer FAPG2 Buffer FAPG3 Buffer (Concentrate) Wash Buffer (Concentrate) Elution Buffer RNase A Solution 96-Well DNA Binding Plate 96-Well Filter Plate Elution Plate (96-Well PCR Plate) Adhesive Film



FavorPrep™ Gel Purification 96-Well Kit is designed to rapidly recover DNA fragments from TAE and TBE agarose gels. This kit includes silica membrane based high-throughput 96-well binding plate for DNA binding and has a high recovery rate from target agarose gels. The purified DNA fragments are ready-to-use for DNA sequencing, restriction enzyme digestion, DNA labeling and ligation reactions.

High Recovery: Up to 85% recovery rate from target agarose gels.

Quick: The procedure allows parallel purification up to 96 agarose gel samples.

High Quality: Recover high-quality DNA; ready-to-use for common downstream applications.

Safe: No caustic organic compounds.

Format/Principle: 96-well binding plate (silica matrix)

Sample Size: ≤ 200 mg agarose gel slice

DNA Size: 65 bp~10 kbp

Operation Time: ≤ 45 mins/96 preparations

Typical Recovery: 70%~85%

Binding Capacity: $\leq 20 \mu\text{g DNA/Well}$

Plate Applicability: Vacuum or centrifugation

Fluorescent or radioactive sequencing; restriction enzyme digestion; library screening; ligation and transformation; DNA labeling.



Cat. No.	Product Name	Size	Contents
FAGP107A	FavorPrep™	1 plate	FAGP Buffer
FAGP107B	Gel Purification	2 plates	Wash Buffer (Concentrate)
FAGP107C	96-Well Kit	4 plates	Elution Buffer
			Filter Plate (96-Well DNA Binding Plate)
			Collection Plate (96-Well 2 ml Plate)
			Elution Plate (96-Well PCR Plate)
			Adhesive Film

FavorPrep™ PCR Clean Up 96-Well Kit



Description

The FavorPrep™ PCR Clean Up 96-Well Kit is designed for high-throughput cleaning up of DNA fragments from PCR product or other enzymatic reactions. This kit uses 96-well DNA binding plate and special size-selection buffers; the range of DNA size is between 65 bp~10 kbp; the 20~40 oligonucleotide fragments will be removed. The purified DNA is ready-to-use for various applications with three easy steps (binding, washing and elution).

Features

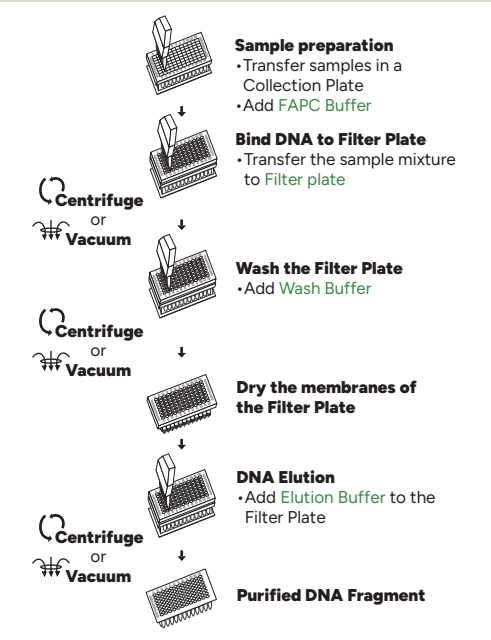
- High Recovery:** Up to 85% recovery rate.
- Quick:** The procedure ensures parallel purification up to 96 PCR samples.
- High Quality:** Recover high-quality DNA; ready-to-use for common downstream applications.
- Safe:** No phenol/chloroform extraction and ethanol precipitation step.

Specifications

- Format/Principle:** 96-well binding plate (silica matrix)
- Sample Size:** 10~100 µl PCR mixture or other enzymatic reaction mixture.
- DNA Size:** 65 bp~10 kbp
- Operation Time:** < 45 mins/96 preparations
- Typical Recovery:** 75%~85%
- Binding Capacity:** ≤ 20 µg DNA/Well
- Plate Applicability:** Vacuum or centrifugation

Applications

Fluorescent or radioactive sequencing; restriction enzyme digestion; library screening; ligation & transformation; DNA labeling.



Ordering Information

Cat. No.	Product Name	Size	Contents
FAPC107A	FavorPrep™ PCR Clean Up 96-Well Kit	1 plate	FAPC Buffer
FAPC107B		2 plates	Wash Buffer (Concentrate)
FAPC107C		4 plates	Elution Buffer
			Filter Plate (96-Well DNA Binding Plate)
			Collection Plate (96-Well 2 ml Plate)
			Elution Plate (96-Well PCR Plate)
			Adhesive Film

FavorPrep™ Gel/PCR Purification 96-Well Kit



Description

FavorPrep™ Gel/PCR Purification 96-Well Kit is designed for 96 wells high-throughput purification of DNA fragments from agarose gels, PCR mixtures or enzymatic reaction mixtures. The unique multi-purposes kit effectively reduces cost in molecular biological laboratory. The purified DNA fragments are ready-to-use for DNA sequencing, restriction enzyme digestion, DNA labeling and ligation reactions.

Features

Easy and Fast: One buffer for PCR clean-up and gel extraction; up to 96 agarose gels or PCR samples.

Versatile: Purify DNA from agarose gels, PCR mixtures or other enzymatic reactions mixtures. The recovery-fragment size is between 65 bp~10 kbp.

Safe: No phenol/chloroform and other caustic organic compounds.

Specifications

Format/Principle: 96-well binding plate (silica matrix)

Sample Size: ≤ 200 mg agarose gel slice; ≤ 100 µl PCR product or other enzymatic reaction mixtures.

DNA Size: 65 bp~10 kbp

Operation Time: ≤ 45 mins for gel DNA extraction; ≤ 35 mins for PCR clean up.

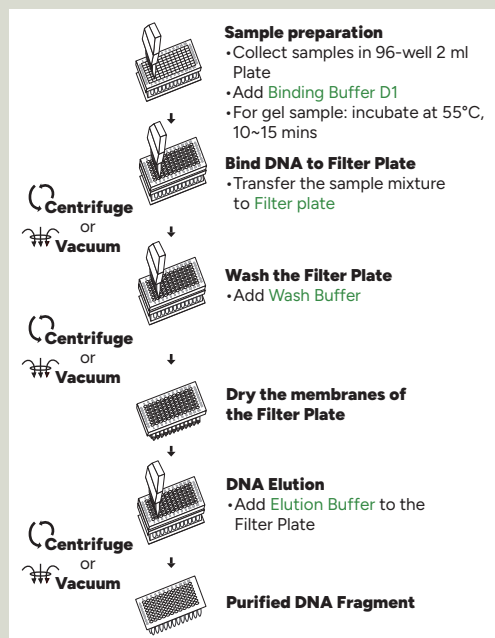
Typical Recovery: 75%~85%

Binding Capacity: ≤ 20 µg DNA/Well

Plate Applicability: Vacuum or centrifugation

Applications

PCR; fluorescent or radioactive sequencing; restriction enzyme digestion; DNA labeling; ligation and transformation.



Ordering Information

Cat. No.	Product Name	Size	Contents
FAGC107A FAGC107B FAGC107C	FavorPrep™ Gel/PCR Purification 96-Well Kit	1 plate 2 plates 4 plates	Binding Buffer D1 Wash Buffer (Concentrate) Elution Buffer Filter Plate (96-Well DNA Binding Plate) Collection Plate (96-Well 2 ml Plate) Elution Plate (96-Well PCR Plate) Adhesive Film

FavorPrep™ Tissue Total RNA Extraction 96-Well Kit



Description

FavorPrep™ Tissue Total RNA Extraction 96-Well Kit is designed for 96 wells high-throughput phenol-free isolation of total RNA from animal cultured cells or animal tissues by using chaotropic salt-based lysis/denaturant and silica membrane column. This kit offers a speedy method to purify total RNA and prevent the degradation of RNA by inactivating RNase during the isolation procedure. The purified RNA is ready-to-use in RT-PCR, Northern blotting, primer extension and cDNA construction.

Features

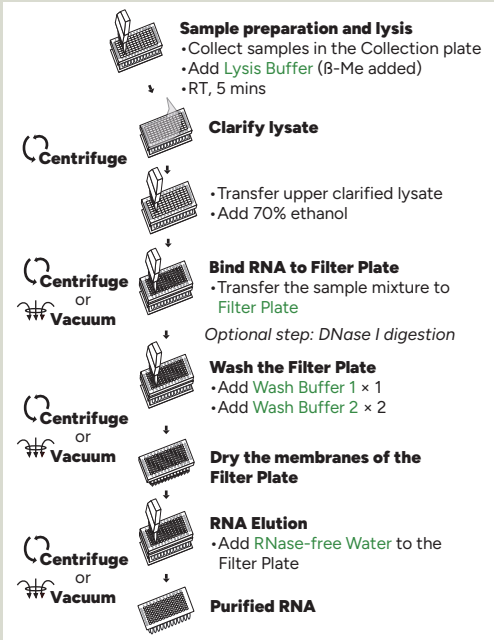
- Quick:** The procedure allows parallel purification of up to 96 PCR samples.
- High Quality:** Purify high-quality RNA which is ready-to-use in downstream applications.
- Safe:** No phenol/chloroform extraction or ethanol precipitation steps.
- Flexibility:** Available for total RNA extract from several types of tissue and cultured cells.

Specifications

- Format/Principle:** 96-well binding plate (silica matrix)
- Sample Size:** $\leq 1 \times 10^7$ animal cells; ≤ 50 mg animal tissue.
- Operation Time:** < 60 mins/96 preparations
- Binding Capacity:** $\leq 75 \mu\text{g}$ RNA/Well
- Plate Applicability:** Vacuum or centrifugation

Applications

RT-PCR; quantitative RT-PCR; differential display; cDNA synthesis; Northern blot analysis; primer extension; mRNA selection; microarray.



Ordering Information

Cat. No.	Product Name	Size	Contents
FATR107A FATR107B FATR107C	FavorPrep™ Tissue Total RNA Extraction 96-Well Kit	1 plate 2 plates 4 plates	Lysis Buffer Wash Buffer 1 (Concentrate) Wash Buffer 2 (Concentrate) RNase-Free Water Filter Plate (96-Well RNA Binding Plate) Collection Plate (96-Well 2 ml Plate) Elution Plate (96-Well PCR Plate) Adhesive Film

FavorPrep™ Viral Nucleic Acid Extraction 96-Well Kit



Description

The FavorPrep™ Viral Nucleic Acid Extraction 96-Well Kit provides a high-throughput, rapid and economical method to purify viral DNA/RNA from cell-free samples, such as serum, plasma, body fluids and the supernatant of viral-infected cell culture. The steps of DNA/RNA binding, washing and elution can be processed on most common 96-well plate vacuum manifold and 96-well centrifuge rotors. The entire process can be completed within 60 mins and the eluted DNA/RNA is ready-to-use for subsequent reactions.

Features

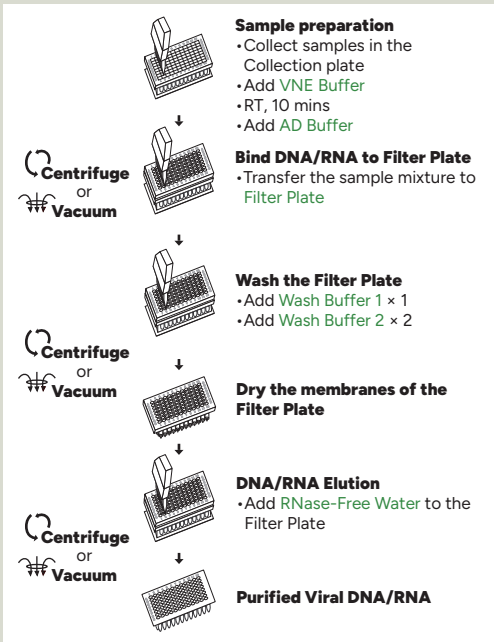
- High Recovery:** Unique buffers are provided for samples with higher viral load.
- High Purity:** Complete removal of contaminants and inhibitors for reliable downstream applications.
- High Speed:** The procedure allows parallel purification of up to 96 samples and rapid purification of high-quality viral DNA and RNA within 60 mins.

Specifications

- Format/Principle:** 96-well binding plate (silica matrix)
- Sample Size:** ≤ 200 µl serum, plasma, body fluids and the supernatant of cell cultures.
- Operation Time:** < 60 mins/96 preparations
- Binding Capacity:** ≤ 60 µg/Well
- Plate Applicability:** Vacuum or centrifugation

Applications

PCR; RT-PCR; RT-qPCR; qPCR.



Ordering Information

Cat. No.	Product Name	Size	Contents
FAVN207A FAVN207B FAVN207C	FavorPrep™ Viral Nucleic Acid Extraction 96-Well Kit	1 plate 2 plates 4 plates	VNE Buffer AD Buffer (Concentrated) Wash Buffer 1 (Concentrate) Wash Buffer 2 (Concentrate) RNase-Free Water Filter Plate (96-Well DNA/RNA Binding Plate) Collection Plate (96-Well 2 ml Plate) Elution Plate (96-Well PCR Plate) Adhesive Film

FavorPrep™ Tri-RNA Reagent



Description

FavorPrep™ Tri-RNA Reagent is a ready-to-use reagent for quick and high-quality in one-step RNA isolation. The Tri-RNA Reagent is a mono-phase solution composed of phenol and guanidine isothiocyanate. This reagent mainly designed for total RNA purification, and it is also allowed to isolate DNA and protein. During sample homogenization and lysis, this reagent maintains the integrity of RNA even the smallest molecular size. The isolated RNA can be used in various downstream applications.

Features

Compatible: Single step for the isolation of total RNA from tissues, cells, bacteria, plants, yeasts and biological fluids.

Rapid: The whole process is less than 1 hr.

Convenience: Available for the isolation of RNA, DNA and protein.

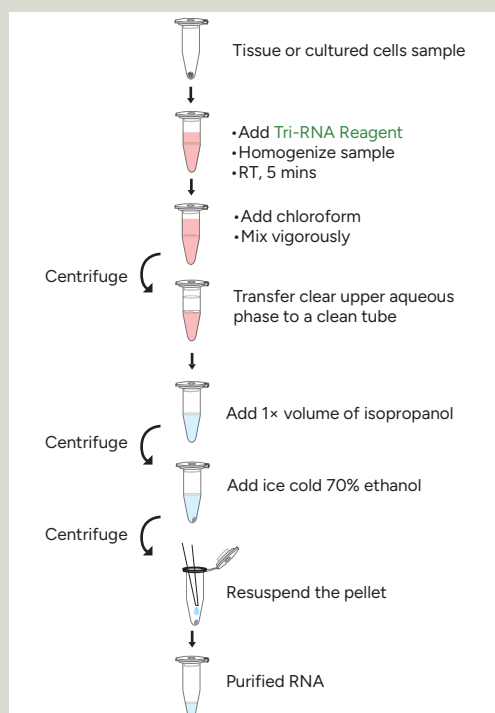
High Quality: The purified RNA can be applied for multiple applications.

Specifications

Format/Principle: Organic extraction

Sample Size: $\leq 5 \times 10^6$ culture cells; ≤ 100 mg tissue.

Operation Time: < 60 mins



Applications

RT-qPCR; Northern blotting hybridization; primer extension; cDNA synthesis; mRNA selection; *in vitro* translation; microarray.

Ordering Information

Cat. No.	Product Name	Size
FTRR1083	FavorPrep™ Tri-RNA Reagent	50 ml/bot
FTRR1084		100 ml/bot

FavorPrep™ RNA Stabilization Solution



Description

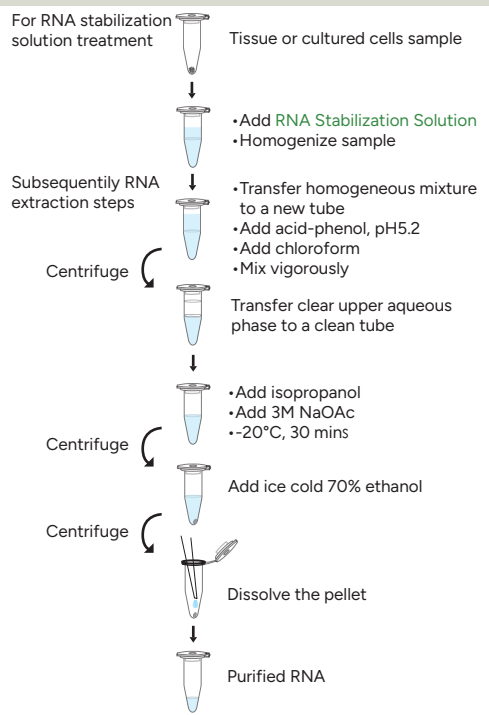
The FavorPrep™ RNA Stabilization Solution is designed for RNA protection in biological samples to obtain high-quality, integrated RNA. Typically, to isolate high-quality RNA from tissues or cells, the samples should be processed immediately after harvest. The RNA Stabilization Solution makes it possible for researchers to extend the storage time of samples which planning for RNA isolation. In addition, the modified single-step method allows isolation of RNA from tissues or cells within one hour and makes it possible to process batch of samples simultaneously.

Features

- Rapid:** Fast storage tissues or cells; extract RNA within 1 hr.
- Stable RNA:** Tissue and cell RNA are stabilized for long-term storage.
- Easy to Use:** Mix with sample directly.

Specifications

- Format/Principle:** Organic extraction
- Sample Size:** ≤ 1×10⁷ culture cells; ≤ 100 mg tissue.
- Operation Time:** < 60 mins



Applications

RT-qPCR; Northern blotting hybridizations; primer extension; cDNA synthesis; mRNA selection; *in vitro* translation; microarray.

Ordering Information

Cat. No.	Product Name	Size
FRSS1084	FavorPrep™ RNA Stabilization Solution	100 ml

FavorPrep™ NApreserve Reagent



Description

FavorPrep™ NApreserve Reagent is a nucleic acid stabilization solution that prevents the degradation of nucleic acids in fresh specimens. The reagent permeates the immersed specimen, extending the usability of a sample that would otherwise rapidly degrade without this treatment. This reagent is compatible with various specimens, including cultured cells, tissues, stool, soil, and any other sample that the solution can penetrate. FavorPrep™ NApreserve Reagent offers a reliable and cost-effective, ensuring the integrity of nucleic acids for critical research and diagnostic applications.

Features

Compatibility with Various Sample Types: Suitable for cultured cells, tissue, stool, and soil.

Superior Nucleic Acid Stability: Protects RNA and DNA from degradation in various temperature environments.

Flexible Storage Conditions: Samples can be stored at room temperature for short-term stabilization or at -20°C/-80°C for long-term preservation.

Integrated Downstream Solutions: Enables high-quality RNA and DNA extraction without interfering with molecular biology workflows.

Specifications

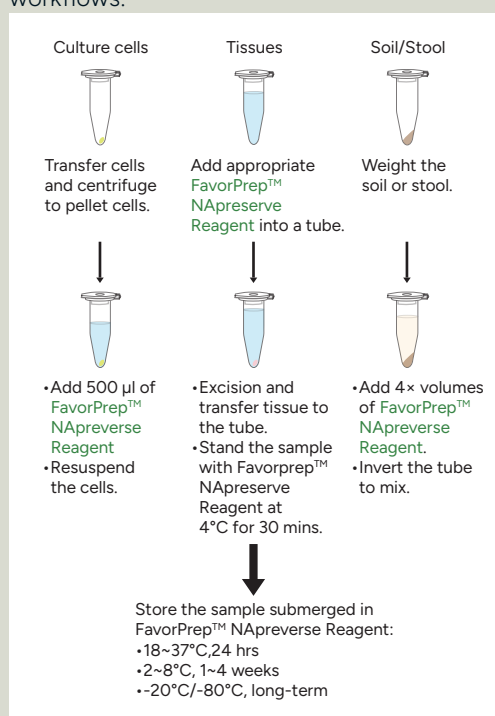
Format/Principle: Nucleic acid storage reagent

Sample Types: Cultured cells (animal, yeast and bacteria), tissue (animal, plant), stool and soil.

Operation Time: < 60 mins

Applications

RT-qPCR; Northern blotting hybridization; primer extension; cDNA synthesis; *in vitro* translation; microarray.



Ordering Information

Cat. No.	Product Name	Size
FNPR1084	FavorPrep™ NApreserve Reagent	100 ml/bot



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