

Fast. Flexible. Pure.

Ferrobeads® Quick Nucleic Acid (DNA/RNA) Isolation Kit™

Superior Binding Efficiency

High silica surface area delivers strong nucleic acid yields, while >80% magnetic content enables separation in as little as 30 seconds.

Reliable Extraction Workflows

Trusted performance for PCR, RT-PCR, and other applications, with workflows under 30 minutes manually or 15 minutes with automation.

Open Platform Flexibility

Compatible with manual and automated workflows, with walk-away automation that reduces hands-on time and integrates easily into any lab.

Optimized Chemistry

Removes contaminants to deliver high-quality DNA/RNA from a single sample, compatible with PCR, qPCR, dPCR, and sequencing across tissue, cell, and blood.



One Universal Kit for Blood, Tissue, and Cells

Ferrobeads use silica-coated magnetic beads to deliver consistent, contaminant-free DNA/RNA isolation across sample types. This universal approach simplifies workflows, reduces inventory, and lowers cost per reaction.

Purification time: Target 10–25 min

Elution volume: 15–80 µl

Yield: High Yield

Purity: A260/A280 1.8–2.0

Product specifications

Sample Types	Cell Cultures, Tissue (Plant), Tissue (Non-Plant), Plasma, Serum, Blood
Downstream Applications	RT-PCR, qPCR, dPCR, Gene expression, genotyping, Rare mutation detection (RMD), Copy number variation (CNV), Single Nucleotide Polymorphisms (SNP)
Kit Contents	Lysis buffer, Wash buffer, Beads, Elution buffer
Available Sizes	100 preps, 500 preps

Ordering Details

FB100	100 Preps Ferrobeads® Quick Nucleic Acid (DNA/RNA) Isolation kit™
FB1001	500 Preps Ferrobeads® Quick Nucleic Acid (DNA/RNA) Isolation kit™
GSP01	GeneFast™ Sample Prep Automation Platform
GDP01	GeneFast 96 deep well plates + 8 strip-tip

For Research Use Only (RUO)

For product inquiries, contact lifescience.orders@ferrotec.com

A Universal Sample Preparation Solution

Ferrobead® Applications

Once the nucleic acids are extracted, Ferrobeads are optimized for use in the following downstream applications and market sectors:

Key Industry and Research Fields



**Infectious
Disease
Diagnostics**

Supports diagnostics for gastrointestinal, respiratory, and STI testing.



**Oncology &
Liquid Biopsy**

For plasma/serum samples for cancer monitoring.



**Forensics
& Human ID**

Extracting DNA for identification purposes.



**Agricultural
Biotechnology**

Extracting nucleic acids from plant tissues.



**Food Safety &
Environmental
Testing**

Analyzing environmental samples for contaminants or pathogens.



Downstream Molecular Analysis

Quantitative PCR (qPCR)

For gene expression analysis and viral, bacterial pathogen detection

Digital PCR (dPCR)

For high-precision and ultra-sensitive nucleic acid analysis

Sequencing Applications

Delivering high quality DNA and RNA for sequencing applications

Gene Editing

PCR-based workflows for CRISPR and gene editing verification

PCR Cleanup

Purifying DNA after amplification

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