

Where Molecular Confidence Begins

# About Ferrotec Life Sciences

Ferrotec Life Sciences sample prep kits and automation instruments deliver consistent, scalable nucleic acid isolation setting the foundation for dependable downstream molecular results.



*“Our focus is simple: deliver reliable technology that removes complexity for our customers and accelerates scientific progress.”*

## Precision and Consistency You Can Trust

At Ferrotec Life Sciences, we believe great molecular results start with great sample preparation. Our sample prep kits and sample prep instruments are designed to deliver dependable, high-quality nucleic acid isolation helping laboratories build confidence in every downstream result.

Built on Ferrotec’s core magnetic nanoparticle technology, our sample preparation solutions are engineered for consistency, scalability, and workflow efficiency, supporting laboratories as they move from low- to higher-throughput molecular testing. Whether operating manually or with automation, our solutions are designed to integrate seamlessly into modern diagnostic workflows and support reliable assay performance.

## We’re Here to Help

Looking to optimize your DNA and RNA extraction workflows? Connect with Ferrotec Life Sciences to learn how our solutions can accelerate research in your lab.

For Research Use Only (RUO)

**Sales & Product Ordering:**

[lifescience.orders@ferrotec.com](mailto:lifescience.orders@ferrotec.com)

1-603-472-6444

**Technical Support:**

[lifescience.support@ferrotec.com](mailto:lifescience.support@ferrotec.com)

1-603-472-6444

# Ferrotec Life Sciences Overview



## Ferrotec Ferrobeads®

Silica-coated magnetic beads to isolate nucleic acids (DNA & RNA)



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

DNA/RNA isolation kits powered by Ferrobeads for manual and automated workflows.



## GeneFast™ Sample Prep Automation Platform

Automatic nucleic acid purification system for faster workflows

## Ferrobeads Isolation Kits Product Specifications

Isolation Chemistry	Magnetic bead-based total nucleic acid (DNA & RNA) purification with minimized sample bias using a single, universal protocol
Nucleic acid type	Total nucleic acid (DNA & RNA) from the same sample
Performance metric used	High relative recovery with low variability
DNA and RNA balance	Balanced recovery of DNA and RNA
Sample Compatibility	Cells, solid tissues, blood-derived samples, challenging biological matrices
Challenging samples	Demonstrated performance with tough-to-lyse cells and tissues
Workflow Speed	Rapid magnetic bead workflow with minimal hands-on time (<15 minutes)
Purity	High-purity nucleic acid suitable for PCR/RT-PCR
Elution Format	Low-salt buffer, user-defined elution volume
Automation Readiness	Automation-friendly magnetic bead format

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