

# Shape your lab with magnetic bead-based sample preparation

## Move to magnificent. Move to magnetic beads.

Magnetic bead-based sample preparation technology provides reliable and reproducible results for the purification and analyses of molecules, including DNA, RNA, proteins, cells, and exosomes.

## Move to reproducibility

**High purity extraction** with Invitrogen™ Dynabeads™ magnetic beads and MagMAX™ magnetic bead kits.

- Little to no nonspecific binding
- Efficient and easily automatable alternative to spin column extraction
- No preclearing, no columns, and no centrifugation required
- Consistent, high-quality results across proteins, cells, exosomes, and nucleic acids

## Move to flexibility

Approach sample preparation with **versatility**.

**Compatible with a range of sample types:**



Blood



Saliva



Mucus



Difficult samples\*

\*Whale blubber, kelp, tree bark, fish scales, etc.

- Bead sizes tailored for specific applications (1.0–4.5 µm)

- Optimized kits include beads, buffers, and protocols

**Isolation of analytes for a wide range of downstream applications, such as:**

Cancer research

DNA isolation for genetic testing

Infectious pathogen research

Wastewater testing

Immunoprecipitation

mRNA extraction for vaccine research

## Move to a streamlined and scalable workflow

From complex to **quick**.

- Replace multiple instruments with one KingFisher™ system
- Reduce hands-on time with a faster setup and full protocol automation
- Process up to 96 samples simultaneously —or more with a liquid handler
- Complete cell isolation in just 35 minutes

## Move to a sustainable science

Cleaner lab, cleaner **planet**.

MagMAX mirVana Total RNA isolation kit workflow reduces plastic waste by up to **62%** compared to column-based methods

DynaGreen™ products use microplastic-free bead cores

MagMAX DNA Multi-Sample Ultra 2.0 kit workflow minimizes plastic waste by **39%**

Lower water consumption during manufacturing

Recyclable packaging and paperless documentation

## Save time and improve performance with the power of magnetic beads

### Move to:



Higher reproducibility and sample purity



Reduced lab space requirements



Consistent results across diverse sample types and applications



Faster processing with less hands-on time



More sustainable solutions

Learn more about Thermo Fisher Scientific KingFisher systems and magnetic bead technologies at [thermofisher.com/movetothebead](https://thermofisher.com/movetothebead)