

## DNA & RNA PURIFICATION

Streamline your nucleic acid isolation with our cutting-edge extraction products. Whether you're diving into PCR, sequencing or gene expression studies, our advanced kits simplify the process.

Achieve pristine DNA and RNA in mere minutes, thanks to our efficient protocols and meticulously designed kit solutions. Elevate your research by entrusting us to deliver top-quality genetic material for your experiments.

## Efficient nucleic acid isolation kits with fast protocols



### NZYMiniprep Protocol Time: 30 Min.

- **Rapid Plasmid Purification:** Achieve quick and pure plasmid DNA from *E. coli*.
- **Flexible Adaptation:** Customized for low (BACs or cosmids) and high-copy number plasmids. Other scales available (Midiprep, Maxiprep & Gigaprep)

### NZYGelpure Protocol Time: 15 Min.

- **Efficient DNA Purification:** Purify DNA from agarose gels and PCR products.
- **High Recovery Rates:** Recover up to 20 µg of DNA fragments with sizes ranging from 50 bp to 20 kb.

### NZY Tissue gDNA Isolation kit Protocol Time: 30 Min.

- **Effortless Extraction:** Pure genomic DNA from various sources using silica-based spin columns.
- **Versatile:** Ideal for animal cells, bacteria, yeast, and many more sample types.

### NZYSoil gDNA Isolation Kit Protocol Time: 15 Min.

- **Inhibitor Removal:** Extra column for removal of proteins and other PCR inhibitors in solution.
- **Mechanical Ceramic Beads Lysis:** For efficient disruption of samples from forest, bog, farmland, grassland and stool.

### NZYMicrobial gDNA Isolation Kit Protocol Time: 15 Min.

- **Easy Microbial DNA Extraction:** Pure DNA from diverse microbial samples, including yeast, gram-positive bacteria, spores.
- **Advanced Mechanical Lysis:** NZYSpin Bead Tubes to ensure a complete lysis and isolate 5-25 µg DNA.

### NZY Plant/Fungi gDNA Isolation kit Protocol Time: 30 Min.

- **Effortless Plant/Fungi DNA Extraction:** Rapid, pure genomic DNA from plant and fungi samples.
- **Optimized Lysis Buffers:** No phenol or chloroform extraction. Based on CTAB and SDS methods.

### NZY cfDNA Isolation kit Protocol Time: 15 Min.

- **Efficient Circulating DNA Extraction:** Purify 50-1000 bp DNA from various cell-free fluids.
- **Specialized Silica Column:** Elution volumes as low as 5-30 µL for high DNA concentration recommended for non-invasive and forensic techniques

### NZYFood gDNA Isolation Kit Protocol Time: 25 Min.

- **Diverse Samples:** Extraction of high-purity genomic DNA from an array of diverse food and feed samples
- **Efficient recovery:** Isolates small gDNA fragments, specifically those measuring less than 1 kilobase pair (kbp)

### Speedy Direct Genotyping Kit Protocol Time: 5 Min.

- **Rapid lysis:** Including mouse genotyping tissues samples (tail clipping and ear punch), in under 5 minutes.
- **Engineered to process an array of tissue materials, including blood and non-invasive hair samples**



RNA

### NZY Total RNA Isolation kit Protocol Time: 30 Min.

- **Simple Total RNA Isolation:** Easy high-integrity RNA extraction from diverse sources.
- **DNase I Included:** To prevent contamination with DNA, a DNase I solution is directly added on-column.

### NZY Stool RNA Isolation kit Protocol Time: 60 Min.

- **Inhibitor Removal:** Extra column for removal of proteins and other PCR inhibitors in solution.
- **Mechanical and Chemical Lysis:** Efficient isolation of high quality RNA, including small RNA, from any stool samples.

### NZY Plant/Fungi RNA Isolation kit Protocol Time: 25 Min.

- **Efficient RNA Isolation:** Extract RNA from diverse plant and fungal tissues, even high-starch or metabolite-rich ones.
- **Filter Columns:** Samples debris are removed after passing through a dedicated column.

### NZY Viral RNA Isolation kit Protocol Time: 30 Min.

- **Swift Viral RNA Purification:** Rapidly isolate high-integrity viral RNA from various sources.
- **RNase Inactivation:** Lysis buffer ensures RNA integrity, suitable for diverse amplification strategies.

### NZY miRNA Isolation & RNA Clean-up Kit Protocol Time: 45 Min.

- **Small and Large RNA Purification:** Adjustment of binding conditions allow the separation of small and large RNA.
- **General RNA Clean-Up:** Increase RNA purity for use in downstream applications.



RNA • DNA

### NZY Mag Viral RNA/DNA Isolation Kit, IVD or RUO Protocol Time: 30 Min.

- **Efficient Viral RNA/DNA Recovery:** Magnetic bead-based kit for high-quality nucleic acids.
- **Automated Compatibility:** Fast processing of 96 samples, ideal for diagnostic applications.

### NZY Mag Universal Nucleic Acid Purification Kit, IVD or RUO Protocol Time: 30 Min.

- **Cutting-edge magnetic bead technology:** For swift and high-quality RNA and DNA purification from a wide range of complex and recalcitrant biological samples.
- **Diverse sample biological matrices:** Includes whole blood, plasma, serum, milk, urine, nasopharyngeal, cervical, and perianal (human) swabs, stool, environmental samples and environmental and animal faecal swabs.

### NZY Mag Bacterial & Viral RNA/DNA Isolation Kit, RUO Protocol Time: 30 Min.

- **High Yield Nucleic Acid Extraction:** Employing magnetic beads, this kit ensures optimal recovery of viral RNA/DNA, guaranteeing high-quality nucleic acids.
- **Streamlined Automation:** Designed for rapid processing of 96 samples, this kit is perfectly suited for diagnostic purposes, offering efficient and automated compatibility.



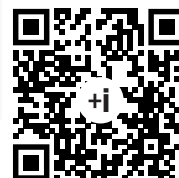
RNA • DNA  
• Protein

### NZY DNA/RNA/Protein Isolation kit Protocol Time: 30 Min.

- **Simultaneous DNA/ RNA/Protein Extraction:** Efficient extraction for diverse sample types without sample splitting.
- **Separate Elution:** Optimized workflow ensures that DNA and RNA are eluted separately.

Streamline your nucleic acid isolation

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