

EcoQprep™ mRNA Kit

Binds more than 2.0 µg of
mRNA per 1 mg of beads

Recovery rate ≥ 85%

Provides reliable and
highly reproducible results

Turnaround time: 10 minutes

Compatible with automated system
ExiPrep™ 96 Lite

Applications

- Gene Expression Profiling
- RNA-Seq
- Biomarker Discovery
- mRNA Therapeutics

EcoQprep™ mRNA Kit is an oligo dT magnetic bead-based system that enables rapid and accurate purification of mRNA from a wide variety of samples, including mammalian cells, animal tissues, and plant tissues.

- MRD: Lysis
- MRW1, MWR2, MRW3: Washing
- EM: Elution
- Magnetic Nano Bead Oligo-dT



EcoQprep™
Magnetic Separation Rack 2 mL tube x 12 holes



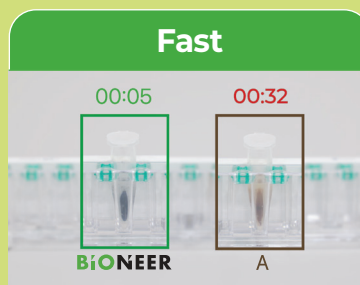
What Makes EcoQprep™ Special?

Eco-friendly



- No centrifuge requirement, no power consumption
- Minimize plastic waste during the experiment
- Use pure natural sources for beads instead of plastic polymers, reducing microplastic pollution

Fast



- Reduce particle capturing time through strong magnetic forces
- Faster nucleic acid purification compared to the spin column method using a centrifuge

Convenient



- Simple workflow using the magnet
- Handle any sample size from mini to maxi scale with a single kit
- Easy observation of beads and samples
- Vortexing is possible while the tube is mounted

How fast?

Save 70% of What You did with EcoQprep™

- ✓ 70% Faster than Spin Columns
- ✓ mRNA Extraction: 9 min
- ✓ Nucleic Acid Extraction: 5 min

● Binding ● 1st washing ● 2nd washing ● 3rd washing ● Incubation ● Elution



※ For PCR purification, extraction within 5 minutes

Experimental Results

Ensures consistent extraction performance across a wide range of samples

Sample – Diverse Sample from animal and plant

Sample		Kit	Purity (A ₂₆₀ /A ₂₈₀)	Purity (A ₂₆₀ /A ₂₃₀)	Yield (μg)	Ratio %* (mRNA: Total RNA)
HeLa cell	2x10 ⁵ cells	AccuPrep® Universal RNA Kit	2.10	1.99	9.31	100
		EcoQprep™ mRNA Kit	2.12	1.73	0.29	3.14
Mouse Liver	10 mg	AccuPrep® Universal RNA Kit	2.17	2.23	19.06	100
		EcoQprep™ mRNA Kit	2.16	1.76	0.74	3.86
Mouse Brain	10 mg	AccuPrep® Universal RNA Kit	2.10	1.98	25.13	100
		EcoQprep™ mRNA Kit	2.23	1.63	0.50	2.00
Broccoli	40 mg	AccuPrep® Universal RNA Kit	1.97	1.06	8.69	100
		EcoQprep™ mRNA Kit	1.97	0.72	0.16	1.82

* Typically, mRNA accounts for approximately 1-5% of total RNA.

Sample – IVT(In Vitro Transcription) mRNA

Sample	Amount of Bead (mg)	Purity (A ₂₆₀ /A ₂₈₀)	Purity (A ₂₆₀ /A ₂₃₀)	Yield (μg)	Binding capacity(μg/mg)
IVT mRNA	0.5	2.56	2.58	2.6	5.21

Ordering Information

Cat.No.	Product Description	Spec.
K-3708	EcoQprep™ mRNA Kit	50 rxn
TM-1012	EcoQprep™ Magnetic Separation Rack	1.5 or 2 mL tube x 12