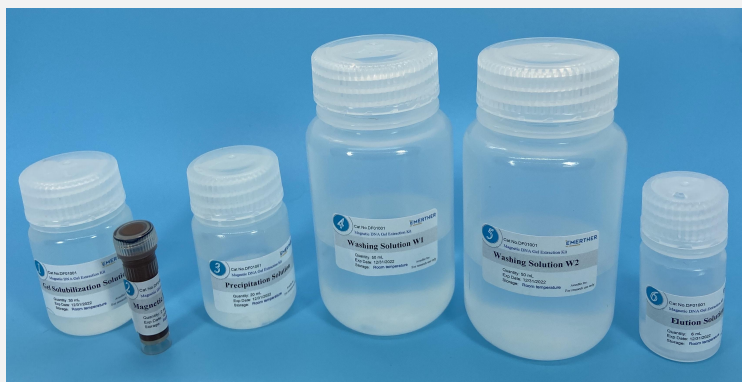


Magnetic DNA Gel Extraction Kit



Bottle format

1. Description

EmerTher® Magnetic DNA Gel Extraction Kit is used to purify DNA fragments from agarose gel following gel electrophoresis.

The kit contains superparamagnetic nanoparticles, which are coated through a unique process, enabling strong binding with DNA fragments with little to no non-specific binding.

Extraction process is simple and fast: add Gel Solubilization Solution to dissolve agarose gel; DNA fragments are then extracted by magnetic beads. The kit is suitable for purification of 50bp-20kb DNA. Purified DNA are ready for direct use in downstream applications, including sequencing, ligation and transformation, restriction digestion, labeling, microinjection, PCR, *in vitro* transcription, hybridization and other subsequent experiments.

2. Features

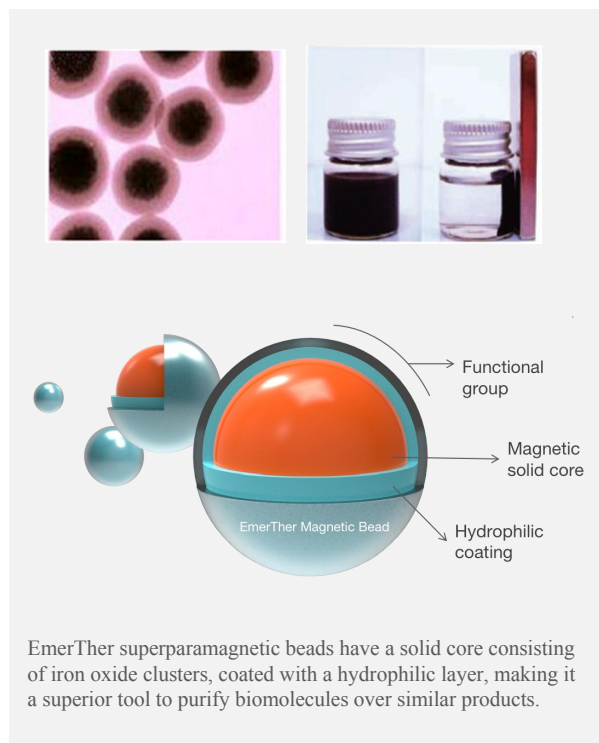
High-speed: fast purification of DNA fragments from agarose gel

High yield: 20 μ L of magnetic beads can bind 10 μ g DNA

High recovery: recovery of DNA fragments is up to 95%

High quality: Purify DNA fragments have high quality and show reliable performance in PCR, restriction enzyme digestion, cloning, and labeling, etc.

Automation: no liquid-liquid mixing and separation process; therefore, the whole procedure can be easily automated



Uniform nano-superparamagnetic bead mass production capacity + optimized technology and reagent formulation:

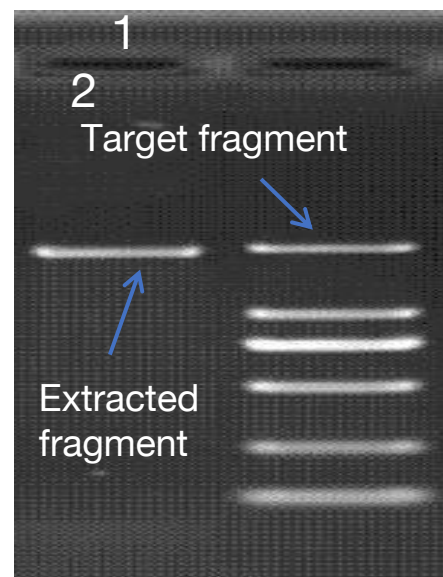
**Reliable and Efficient Extraction,
Originated from Core Technologies**

3. Performance

Representative Extraction Results shown by Gel Electrophoresis and UV Data

Gel electrophoresis, concentration and purity determination of DNA fragment extracted from agarose gel following gel electrophoresis

Sample No.	OD260/280	OD260/230	Conc.(ng/μL)	Total DNA (μg)
Sample 1	1.80	1.88	86.57	8.66



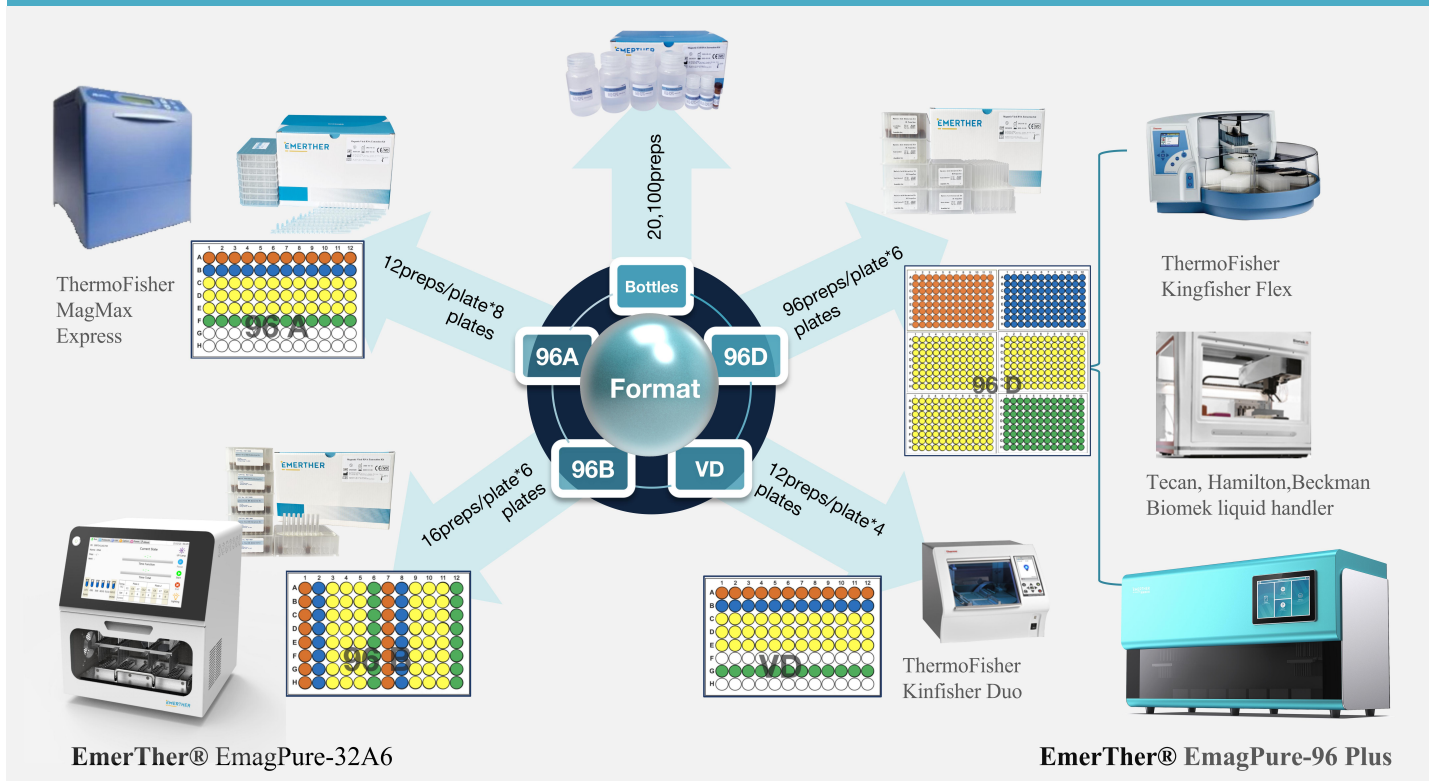
Sample 1: extracted target fragment
Sample 2: gel electrophoresis sample containing the target fragment

4. Components of the Kits

Catalog No.	DF01001 (100 preps)	DF01002 (500 preps)
Format	Bottles	Bottles
Gel Solubilization Solution	30 mL	150 mL
Magnetic Bead Suspension	2 mL	10 mL
Precipitation Solution	20 mL	100 mL
Washing Solution W1	50 mL	250 mL
Washing Solution W2	50 mL	250 mL
Elution Solution	6 mL	30 mL

5. Compatible instruments

Compatibility with a Variety of Automatic Nucleic Acid Extraction Instruments



Prefilled plates available for most automatic nucleic acid extraction instruments on the market.

Magnetic Bead Core Technology for High Throughput & Automatic Solutions

IVD Manufacturer **SINCE 2010**

- Nucleic acid extraction
- Protein purification
- Nano-magnetic beads
- Automatic nucleic acid/protein purification instruments

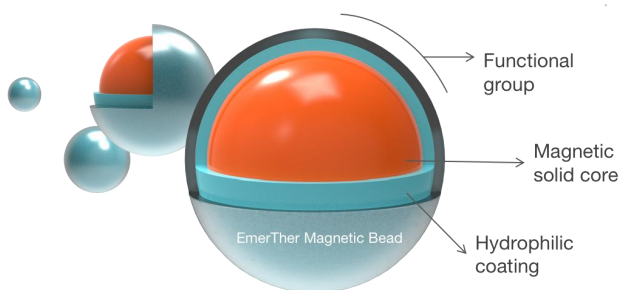


Founded in 2010, the EmerTher Company is an IVD manufacturer specialized in the development and manufacture of nano-scale superparamagnetic beads and related products for biomedical applications.

We provide a number of high-quality, cost-effective products and ready-to-use solutions for biological sample collection, nucleic acid extraction, and protein purification, including:

- 3 viral transport media (non-inactivated; inactivated; inactivated without guanidine) and 3 swabs
- 20+ magnetic bead-based nucleic acid extraction kits
- 6 protein purification magnetic beads
- 6 functionalized magnetic beads
- 3 automatic nucleic acid extraction instruments
- 4 manual magnetic separators

With advanced technologies in nano-scale superparamagnetic bead products and *in vitro* diagnosis, we have helped our customers worldwide to implement automatic nucleic acid and protein extraction/purification procedures in their labs and customized products with high flexibility to meet their special needs.



EmerTher®
EmagPure-32A6



EmerTher® Magnetic Nucleic Acid Extraction Reagent



EmerTher® EmagPure-96 Plus