

Capture the Magic...

Novel Surface Chemistry for Superior cfDNA Isolation

MAGicBead™ cfDNA Isolation Kit

Novel magbead surface technology moves away from traditional silica-based DNA binding chemistry. It uses innovative DNA binding and release mechanism that is quick and efficient, free of use of alcohol.

- **Highest Yield:** Robust cfDNA isolation from up to 10mL plasma w/ unique MAGicBead™ technology
- **Compatible:** Any open automation platforms and a variety of biofluids, including plasma
- **NGS-Ready:** High-quality cfDNA ideal for Next-Gen Sequencing and other applications

MAGicBead™

- ✓ Alcohol-free workflow
- ✓ Minimal binding buffer volumes
- ✓ No bead air-dry

QUICK & EFFICIENT

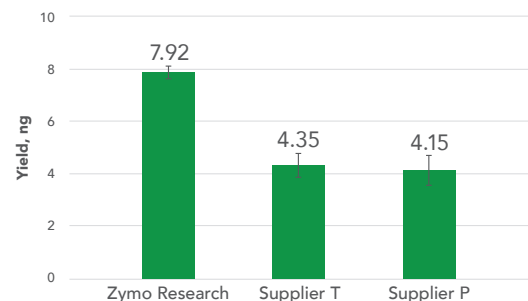
vs.

Conventional Magnetic Beads

- ✗ Requires alcohol
- ✗ Large binding buffer volumes
- ✗ Requires bead air-dry

SLOW & INEFFICIENT

Highest cfDNA Yield



Achieve high cfDNA yield, minimize sample drop-outs
Plasma cfDNA were extracted using three different magbead-based kits. Total cfDNA yields were assessed using Qubit™ 1x dsDNA HS Assay Kit (Thermo-Fisher Scientific).

Thomas
Scientific

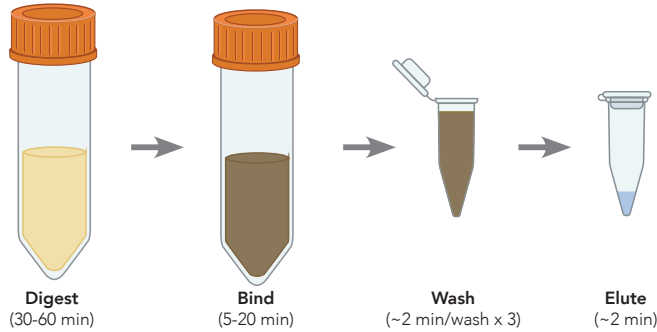


ZYMO RESEARCH

The Beauty of Science is to Make Things Simple®

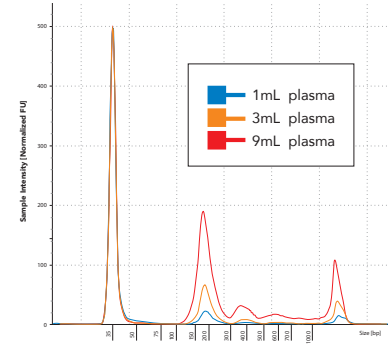
MAGicBead™ cfDNA Isolation Kit

Simple Workflow



Simple, scalable, and quick protocol that is easy to adopt on any automation platform or on lab bench.

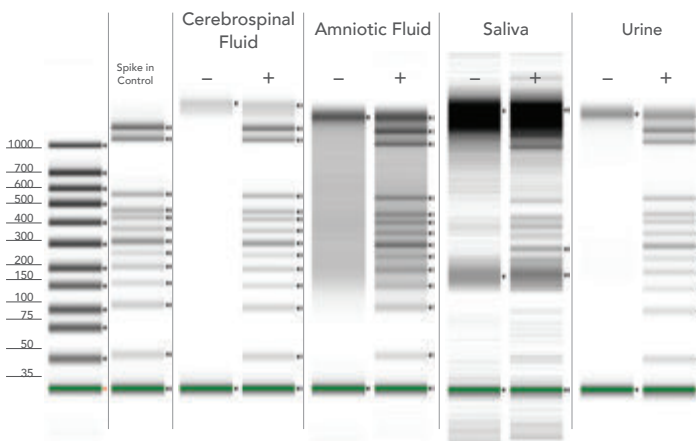
Scalable Recovery



Efficiently scale your sample input from 0.2 to 10 mL

Compatibility

Sample types	Blood tube types (plasma)	Automation platforms	Incompatible
<ul style="list-style-type: none"> Plasma Serum Saliva Urine Cerebrospinal fluid Amniotic fluid Spent cell culture media 	<ul style="list-style-type: none"> K₂EDTA Streck-DNA K₃EDTA Na₂EDTA Na-Citrate Na-F / K-Oxalate 	<ul style="list-style-type: none"> KingFisher™ Flex/Apex (Thermo-Fisher) Fluent® X (Tecan) Microlab® STAR™ (Hamilton) OT-2 (Opentrons) 	<ul style="list-style-type: none"> Heparin Synovial fluid



Compatible with wide variety of sample types
500 µL of cerebrospinal fluid, amniotic fluid, spun-down saliva (12,000 x g for 5 min at RT) or 3 mL of urine.

Visualized using Cell-free DNA ScreenTape Analysis (Agilent Technologies).

Experience the Magic for Free!



Product	Thomas No.	Cat. No.	Size
MAGicBead™ cfDNA Isolation Kit	CHM03W451	D4086	2 mL x 50 Prep.