

Thermo Scientific
GeneJET DNA &
RNA Cleanup and
Concentration
Micro Kits

Concentrate on your research

- Novel column design for easy loading
- High recovery of pure RNA and DNA
- Small elution volumes – as low as 6 μ L

NEW

Robust DNA recovery from gels and reaction mixtures

The Thermo Scientific GeneJET Gel Extraction and DNA Cleanup Micro Kit is designed for efficient recovery of concentrated high quality DNA from agarose gels, PCR and enzymatic reaction mixtures.

- Advanced column design – easy to load and handle
- Small elution volumes – as low as 6 µL
- 90-100% recovery in the 100-3,000 bp DNA fragment range
- Fast – 4-minute reaction mixture cleanup and 15-minute gel extraction
- Efficient removal of reaction components including enzymes, proteins, primers, primer dimers, dNTPs and salts
- Flexible – does not require precise gel slice weighing

Convenient 3-in-1 format:

1. DNA cleanup and concentration
2. Removal of primer dimers and nucleotides
3. Gel extraction

Advanced Column Design

✓ Easy and fast to load

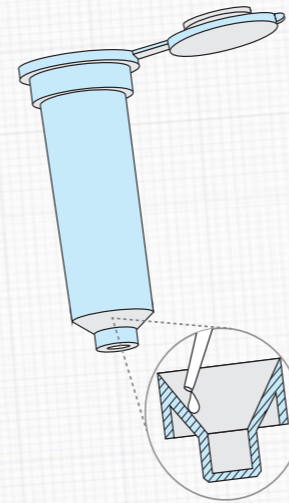
The proprietary funnel-shaped column design ensures every sample droplet is directed to the filter membrane. This allows convenient and fast sample loading without risk of filter damage or sample loss.

✓ Maximized yields

Elution volumes, as low as 6 µL, allow for purification of highly concentrated ready-to-use DNA and RNA.

✓ Risk-free results

Minimized sample retention prevents wash buffer residue carryover contamination.



Outstanding recovery of pure RNA

The Thermo Scientific GeneJET RNA Cleanup and Concentration Micro Kit is ideal for efficient concentration of pre-purified dilute RNA and fast buffer exchange.

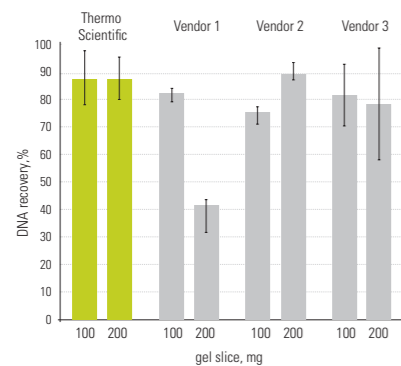
- Advanced column design – easy to load and handle
- Small elution volumes – as low as 6 µL
- 85-100% recovery of a high integrity RNA
- Exceptional purity – efficiently removes enzyme inhibitors as well as DNase I and other enzymes
- Fast and simple – procedure takes less than 5 minutes

Convenient 2-in-1 format:

1. RNA cleanup and concentration from pre-purified dilute RNA samples
2. DNase I removal following DNA digestion

Consistent DNA recovery from various gel slice weights

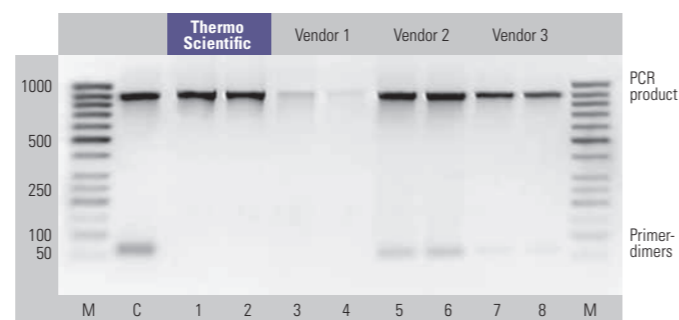
The GeneJET Gel Extraction and DNA Cleanup Micro Kit delivers efficient and consistent DNA recovery from various gel slice weights. Therefore, it is not necessary to precisely weigh the gel slice prior to purification.



Following gel electrophoresis of 1 µg (900 bp) DNA fragment, gel slices of various size (100 mg and 200 mg) were purified using recommended gel extraction protocols from different vendors kits. The DNA concentration was estimated using a Thermo Scientific NanoDrop spectrophotometer.

Unmatched efficiency in primer removal from PCR mixtures

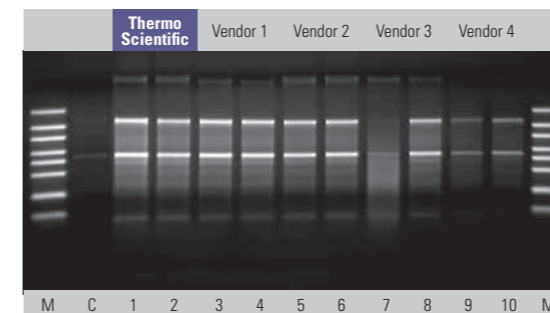
The GeneJET Gel Extraction and DNA Cleanup Micro Kit is ideal for cleanup of PCR reaction mixtures. The kit combines efficient removal of primer dimers and nucleotides without loss of the initial PCR product.



A 900 bp PCR product was purified using the recommended primer-dimer removal protocols from different vendor kits. M – Thermo Scientific O'GeneRuler 50 bp DNA Ladder (#SM1133) C – Unpurified PCR product, 1-2 Thermo Scientific, 3-4 – Vendor 1, 5-6 – Vendor 2, 7-8 – Vendor 3. Separated on 2% agarose gel.

Efficient concentration of RNA sample

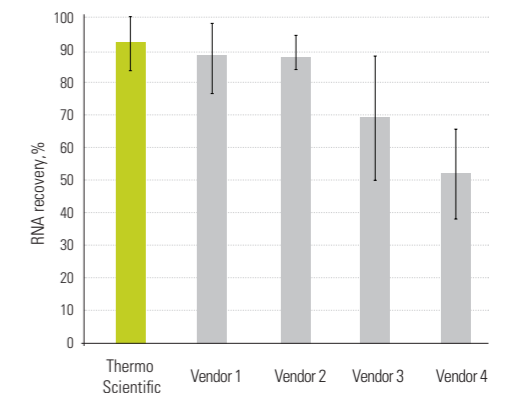
The GeneJET RNA Cleanup and Concentration Micro Kit is specially designed for concentrating dilute pre-purified RNA sample without damage to RNA integrity.



Pre-purified low concentration total RNA from human blood samples was concentrated using recommended protocols from different vendor kits. Purified RNA was analyzed on a 1% agarose gel. M – Thermo Scientific RiboRuler High Range RNA Ladder (#SM1821), C – RNA sample before concentration. 1-2 – Thermo Scientific, 3-4 – Vendor 1, 5-6 – Vendor 2, 7-8 – Vendor 3, 9-10 – Vendor 4.

Superior recovery of RNA fragments

The GeneJET RNA Cleanup and Concentration Micro Kit provides superior RNA recovery across a wide range of fragment sizes.



RNA of different length (500 bp, 6000 bp or total RNA) was concentrated using recommended protocol from different vendor kits. The data represents average recovery combining RNA yields for all different RNA lengths. RNA concentration was estimated using a NanoDrop spectrophotometer.



- Learn more about Thermo Scientific GeneJET Kits
thermoscientific.com/genejet

Order details

Product	Preps	Cat. #
GeneJET DNA Cleanup and Gel Extraction Micro Kit	50	K0831
	250	K0832
GeneJET RNA Cleanup and Concentration Micro Kit	50	K0841
	250	K0842

Related products

Plasmid DNA

GeneJET Plasmid Miniprep Kit
 GeneJET Plasmid Midiprep Kit
 GeneJET Plasmid Maxiprep Kit

Total RNA

GeneJET RNA Purification Kit
 GeneJET Whole Blood RNA Purification Mini Kit
 GeneJET Plant RNA Purification Mini Kit
 GeneJET Viral DNA and RNA Purification Kit

Genomic DNA

GeneJET Genomic DNA Purification Kit
 GeneJET Whole Blood Genomic DNA Purification Mini Kit
 GeneJET Plant Genomic DNA Purification Mini Kit
 GeneJET Viral DNA and RNA Purification Kit

DNA Fragments

GeneJET PCR Purification Kit
 GeneJET Gel Extraction Kit

© 2012 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.



Austria: +43 (0) 800 20 88 40 **Belgique/België:** +32 (0) 056 260 260 **Denmark:** +45 070 27 99 20
España: +34 902 239 303 **Finland:** +358 (0) 9 8027 6280 **France:** +33 (0) 3 88 67 53 20
Germany: +49 (0) 180 5 258221 **Ireland:** +353 (0) 1 885 5854 **Italia:** +39 02 953 28 258
Netherlands: +31 (0) 20 487 70 00 **Norway:** +47 (0) 22 95 59 59 **Portugal:** +351 21 425 33 50/4
Suisse/Switzerland: +41 (0) 56 618 41 11 **Sweden:** +46 (0) 31 352 32 00 **UK:** +44 (0)1509 23 11 66

