

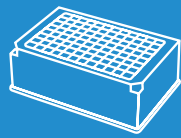
Mag-Bind® Blood & Tissue DNA HDQ Prefilled 96 Kit

Automation-ready, prefilled 96-well plates for quick and convenient DNA extraction from blood, saliva, cultured cells, and swabs for magnetic processors



Time Savings

96-well prefilled plates reduce hands-on time with no reagent preparation.



Convenient

Includes all plasticware required to run 4 x 96 samples post-lysis.



Automatable

Ready-to-load scripts available for the KingFisher® Flex, MagMAX®, and BioSprint®.



Quality

Reproducible extraction of DNA from a variety of sample types.

Mag-Bind® Blood & Tissue DNA HDQ Prefilled 96 Kit

The Mag-Bind Blood & Tissue DNA HDQ Prefilled 96 Kit includes prefilled plates in 96-well standard automation format. The configuration of this kit works seamlessly on magnetic processors such as the Thermo Fisher Scientific KingFisher® Flex, QIAGEN BioSprint®, and Applied Biosystems MagMAX® Express-96. Provided in this kit are all plastic accessories, including tip combs, that are needed for an extraction run post-lysis. This kit offers a versatile method for isolating high-quality DNA from a wide variety of samples, including fresh or frozen animal cultured cells and tissues, buccal swabs, mouse tail snips, dried blood spots, up to 250 µL whole blood, and up to 250 µL saliva.

With no reagent set-up and the quick magnetic response of the Mag-Bind® Particles PF-HDQ, hands-on time and the overall processing time are significantly reduced. The purification procedure provides high-quality DNA suitable for direct use in most downstream applications including amplification, next generation sequencing (NGS), and enzymatic reactions.



Product Description	Preps	Cat No.
Mag-Bind® Blood & Tissue DNA HDQ Prefilled 96 Kit	4 x 96	M6399-01PF96

Important: If automating this procedure on a magnetic processor, please contact your Omega Bio-tek representative for instrument-specific instructions.



Omega Bio-tek, Inc.
400 Pinnacle Way, Suite 450
Norcross, GA 30071

Phone: 770-931-8400
Email: info@omegabiotek.com
Web: www.omegabiotek.com



© 2021 Omega Bio-tek, Inc. All rights reserved. E.Z.N.A., E-Z 96 and Mag-Bind are trademarks of Omega Bio-tek, Inc. All other trademarks and trade names are the property of their respective holders. For research use only. Lit No. SL-0127

Mag-Bind® Blood & Tissue DNA HDQ Prefilled 96 Kit

Table 1. The average DNA yield from 250 µL whole blood and 10 mg mouse kidney tissue samples were obtained using the Mag-Bind® Blood & Tissue DNA HDQ Prefilled 96 Kit and eluted in 100 µL volume. DNA yield was determined using Thermo Scientific's NanoDrop® 2000c. The absorbance ratios > 1.8 indicate high purity of the isolated DNA.

Sample	Avg. Yield (µg)	A260/A280	A260/A230
Tissue	47.26 ± 6.13	2.04 ± 0.02	2.25 ± 0.04
Whole Blood	4.21 ± 0.20	1.89 ± 0.03	2.22 ± 0.11

TapeStation® Analysis on Purified DNA from Mouse Kidney Tissue Samples

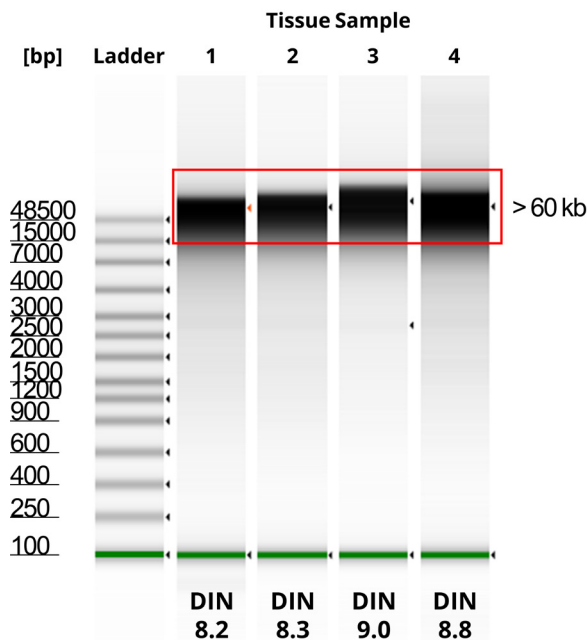


Figure 2. The size of genomic DNA purified from mouse kidney tissue samples using the Mag-Bind® Blood & Tissue DNA HDQ Prefilled 96 Kit was analyzed on the Agilent TapeStation® 2200. The purified DNA is of high molecular weight, with the software analyzing it to be > 60 kb. The DIN values are all > 8.2, indicating highly intact DNA of superior quality.

Average Ct Values from Diluted DNA

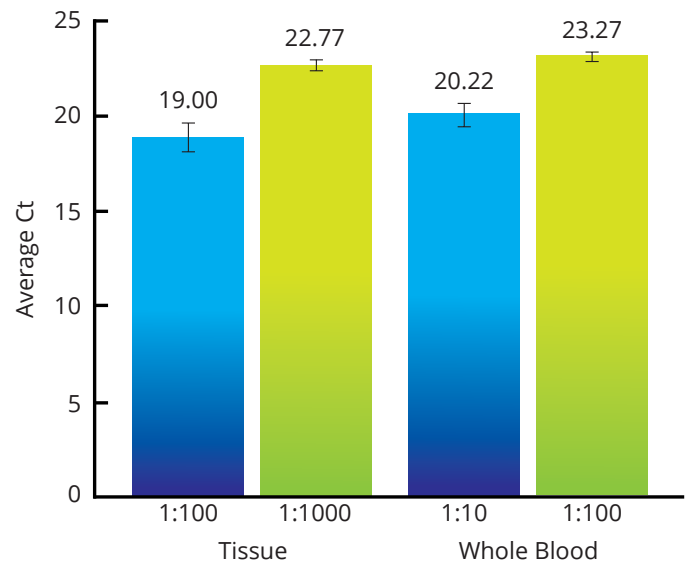


Figure 3. Average Ct values obtained amplifying the purified DNA from blood and tissue samples using the Mag-Bind® Blood & Tissue DNA HDQ Prefilled 96 Kit. The Δ Ct value was ~3.3, indicating high-quality DNA that is free of inhibitors.