

E.Z.N.A.[®] Circulating DNA Kit

Isolation of circulating DNA from plasma, serum, and other acellular body fluids

CAT NO: D3091



Versatile Inputs

(1-4 mL of serum/plasma)



Reliable

Optimum recovery of cell-free DNA with minimal genomic DNA contamination



Quality

Purified DNA suitable for downstream applications such as qPCR & NGS



Safe

No organic extractions

Cost-Effective

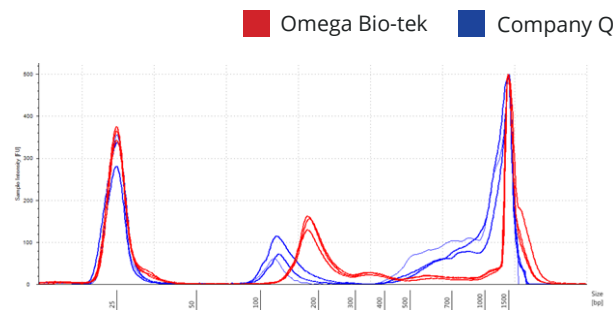
30% less than the competition on average

E.Z.N.A.[®] Circulating DNA Kit

provides a rapid and easy method for the isolation of circulating DNA from plasma, serum, and other acellular bodily fluids. The kit allows for simultaneous processing of single or multiple samples in under 2 hours. DNA purified using the E.Z.N.A.[®] Circulating DNA method is ready for applications such as PCR, microarrays, and next-generation sequencing.

The E.Z.N.A.[®] Circulating DNA Kit uses the reversible nucleic acid-binding properties of our HiBind[®] matrix combined with the speed of mini column centrifugation and funnel adaptors. The funnel adaptors allow for large volumes of liquid to be applied to the mini columns when using a vacuum manifold.

A specially formulated buffer system allows circulating DNA to bind to the HiBind[®] matrix. Samples are lysed under denaturing conditions and then transferred to the DNA column where DNA binds and cellular debris, hemoglobin, and other proteins are washed away. High quality DNA is eluted in nuclease-free water.

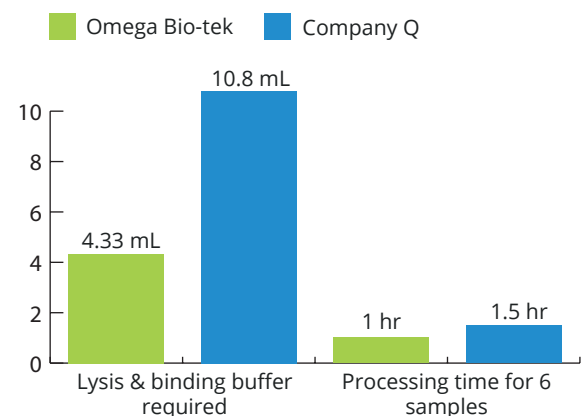


Electropherogram Overlay of Purified DNA from 4 mL Serum

Figure 1. 4 mL of unspiked serum was purified using kits from Omega Bio-tek and Company Q following manufacturer's recommended protocols. Purified DNA was analyzed on Agilent's TapeStation[®] 2200.

Protocol Comparison for a 4 mL Sample

Figure 2. 4 mL of unspiked serum was purified using kits from Omega Bio-tek and Company Q following manufacturer's recommended protocols. Purified DNA was analyzed on Agilent's TapeStation[®] 2200.



Product Description	Preps	Cat No.
E.Z.N.A. [®] Circulating DNA Kit	5	D3091-00
	50	D3091-01

For free samples of any of our kits, visit www.omegabiotek.com



innovations in nucleic acid isolation

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

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



© 2018 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-0019