

E-Z 96[®] Tissue DNA Kit

Rapidly & reliably isolates high quality total cellular DNA from a variety of animals tissues or cell cultures

CAT NO: D1196



96 samples

Isolation of DNA from 96 samples in less than 1 hour



Reliable

Reproducible DNA isolation from a variety of sample types



Quality

Purified DNA suitable for most downstream applications



Safe

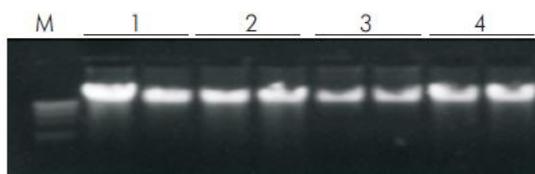
No organic extractions

Cost-Effective

30% less than the competition on average

E-Z 96[®] Tissue DNA Kit

allows rapid and reliable isolation of high quality total cellular DNA from a wide variety of animal tissues or cell cultures in a 96-well plate format. Up to 30 mg tissue or two 0.6 cm mouse tail segments can be processed in each well. The system combines the reversible nucleic acid-binding properties of Omega Bio-tek's HiBind[®] matrix with the speed and versatility of the E-Z 96[®] DNA plate to eliminate polysaccharides, phenolic compounds, and enzyme inhibitors from tissue lysates. Purified DNA is suitable for PCR, restriction digestion, and hybridization applications. There are no organic extractions, thus reducing plastic waste and hands-on time to allow up to 96 samples to be processed at one time.



Genomic DNA Purified Using E-Z 96[®] Tissue DNA Kit

Figure 1. Genomic DNA was extracted from chicken sample: sample 1 from spleen, sample 2 from lung, sample 3 from muscle, and sample 4 for liver. The 5% of each eluate genomic DNA was analyzed on a 0.8% agarose gel to demonstrate the yield and quality of the DNA.

Quality & Yield of Genomic DNA Purified

Table 1. Genomic DNA from various animal tissues was isolated with the E-Z 96[®] Tissue DNA Kit. DNA was eluted in 200 μ L and quantitated using Thermo Scientific's NanoDrop[®] 2000.

Sample	Conc. (ng/ μ L)	A ₂₆₀ /A ₂₈₀	A ₂₆₀ /A ₂₃₀	Yield (μ g)
200 mg chicken liver	126.9	1.88	2.28	25.38
10 mg chicken lung	100.1	1.83	2.15	20.02
10 mg chicken spleen	129.4	1.88	2.12	25.88
20 mg chicken heart	93.5	1.88	2.15	18.70
10 mg frog kidney	251.2	1.86	2.04	50.24
20 mg frog skin	216.1	1.73	1.86	43.22
20 mg frog muscle	57.4	1.82	1.83	11.48
20 mg fish liver	111.2	1.86	2.04	22.24

Citations

Fahlgren, C., Hagström, Å., Nilsson, D., Zweifel, U. (2010). Annual variations in the diversity, viability and origin of airborne bacteria. Applied and Environmental Microbiology (76): 3015-3025. 10.1128/aem.02092-09.

Hovda, M., Lunestad, B., Sivertsvik, M., Rosnes, J. (2007). Characterisation of the bacterial flora of modified atmosphere packaged farmed Atlantic cod (*Gadus morhua*) by PCR-DGGE of conserved 16S rRNA gene regions. International Journal of Food Microbiology (117): 68-75. 10.1016/j.ijfoodmicro.2007.02.022.

Product Description	Preps	Cat No.
E-Z 96 [®] Tissue DNA Kit	1 x 96	D1196-00
	4 x 96	D1196-01
	20x96	D1196-02

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



innovations in nucleic acid isolation

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