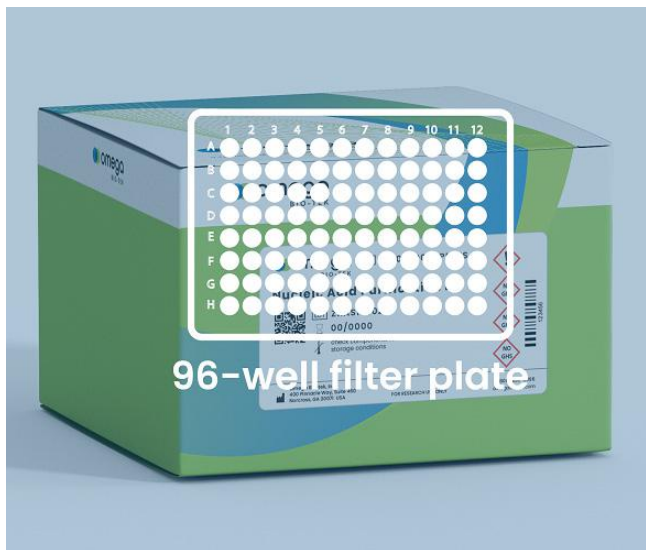


E-Z 96® Tissue DNA Kit



Specifications

For Research Use Only. Not for use in diagnostic procedures.

Features	Specifications
Starting Amount	20 mg
Starting Material	Tissue, mouse tail, cultured cells, bacteria, blood
Elution Volume	150 µL
Technology	Silica 96-well plate
Processing Mode	Manual
Throughput	96

Cat. No.	Description	UOM
ES52310-1	Tissue DNA Kit, 1 x 96 preps	Each
ES52310-4	Tissue DNA Kit, 4 x 96 preps	Each

Overview

By adapting Hi-Bind technology with 96-well plates, the E-Z 96® Tissue DNA Kit provides a high-throughput method to purify genomic DNA from whole blood, buccal swabs, mouse tail, rat tail, tissues and animal cells and tissues in a 96-well plate format. Purified DNA is suitable for most downstream applications such as PCR, restriction enzyme digestion, and hybridization techniques.

Product Data

Genomic DNA purified from various chicken tissues using E-Z 96® Tissue DNA Kit is of good quality.

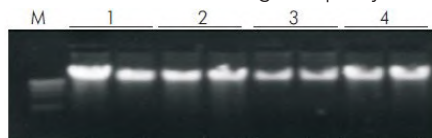


Figure 1. Genomic DNA purified using the E-Z 96® Tissue DNA Kit.

Genomic DNA was extracted from chicken tissue: sample 1 from spleen, sample 2 from lung, sample 3 from muscle, and sample 4 from 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.

Genomic DNA purified from various chicken tissues using E-Z 96® Tissue DNA Kit performed successful PCR amplification.

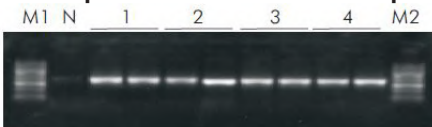


Figure 2. Amplification of genomic DNA isolated from chicken tissue samples using the E-Z 96® Tissue DNA Kit. DNA was isolated from chicken tissue in duplicate: sample 1 from spleen, sample 2 from lung, sample 3 from muscle, and sample 4 from liver. A total of 2 µL of each eluate was amplified with a PCR mastermix and NS gene primers for a 750 bp product to determine whether inhibitors were present in the eluted DNA. Each lane contains 10% of PCR product separated on a 1% agarose gel.

- Rapid - Isolation of DNA from 96 samples in less than 1 hour
- Reliable - Reproducible DNA purification from variety of samples
- Safe - No phenol/chloroform extractions
- Purified DNA suitable for most downstream application

Genomic DNA purified from various chicken tissues using E-Z 96® Tissue DNA Kit has excellent yield and quality.

Sample	Conc. (ng/µL)	A ₂₆₀ /A ₂₈₀	A ₂₆₀ /A ₂₃₀	Yield (µg)
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

Figure 3. Genomic DNA purified using the E-Z 96® Tissue DNA Kit. Genomic DNA was extracted from chicken tissue: sample 1 from spleen, sample 2 from lung, sample 3 from muscle, and sample 4 from 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.