



DESCRIPTION

The **EliGene® Gel DNA MiniPrep** is designed to isolate DNA fragments (80 bp to 10 kbp) from standard or low-melting agarose gel. Depending on DNA fragment size up to 90 % recovery is achieved when DNA is eluted in volume of 30 to 50 μ l. **EliGene® Gel DNA MiniPrep** uses silica spin columns to provide high concentration and quality of DNA isolated from agarose gel slices. DNA isolated with **EliGene® Gel DNA MiniPrep** is immediately ready for use. The entire procedure can be completed in less than 20 minutes, depending on the number of samples processed. All reagents are ready for use and **EliGene® Gel DNA MiniPrep** includes all consumables. The buffers provided have been optimized, and do not require monitoring of pH.



COMPARISON

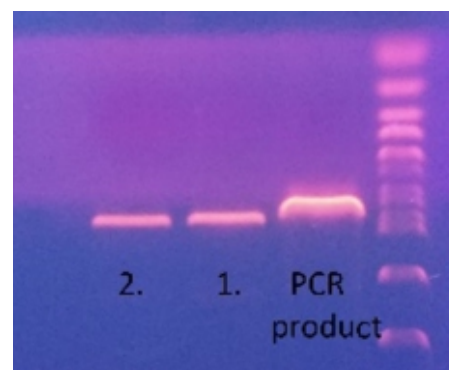
Sample	Weight of gel* (mg)	Elution volume (μ l)	Concentration (ng/ μ l)	Yield (ng)	Recovery (%)
1	135	25	16.1	402.5	89.6
2	135	50	7.57	378.5	84.3

*was gained by **EliDNA™ Agarose Band Cutter** tool from 1.5% agarose gel of thickness 1.0 cm.



ADVANTAGES

- Fast extraction process with high recovery rate of the original DNA
- DNA is of high quality and purity
- Full package - contains all consumables, all solutions are ready to use
- Optimized buffers, no monitoring of pH required (≤ 400 mg of gel)



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A 850 bp PCR product with a concentration of 44.9 ng / μ l was loaded onto gel and subsequently extracted with **EliGene® Gel DNA MiniPrep**. For gel 10 μ l of PCR product was loaded, corresponding to 449 ng of DNA. The concentration of PCR product and isolates was measured on a Qubit™ 4 Fluorometer.