

Experimental Report

1. Sample type	Plant tissue (spinach)
2. Target nucleic acid	Genomic DNA
3. Starting volume	100mg
4. Elution volume	50ul
5. Extraction kit	ExiPrep™ Plant Genomic DNA Kit (Cat. No. K-3255)
6. Extraction method	ExiPrep™ 16 (Cat. No. A-5010)
7. Extraction protocol	Genomic DNA from Plant Tissue

8. Material & Method

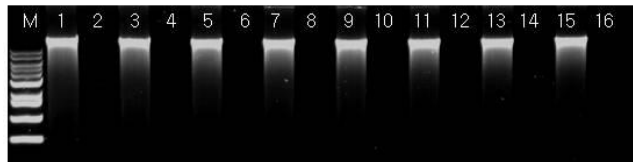
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Green well (1, 3, 5, 7, 9, 11, 13, 15); 100mg of leaf tissue (spinach)

Gray well (2, 4, 6, 8, 10, 12, 14, 16); D.W

9. Experimental Results

i) Agarose gel electrophoresis



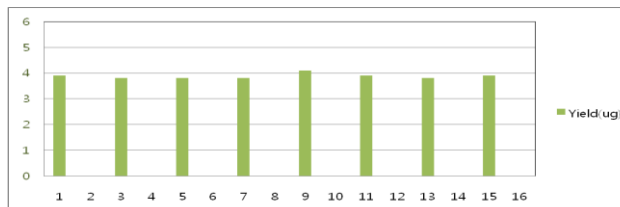
M; 2ul of 1kb DNA Ladder (Cat. No. D-1040)

Lane 1~16; 5ul of eluent

0.8% agarose gel, 150V 40 in

ii) Typical yield and purity

Sample	A _{260/280}	Conc.(ng/ul)	Yield(ug)
Spinach	≥1.8	60 ~ 100	3 ~ 5



10. Discussions

The results confirmed that the 3 ~ 5ug genomic DNA purified from 100mg of spinach leaf tissue was consistently obtained.

ExiPrep™ 16
Fully Automated DNA/RNA/Protein Purification System
