Experimental Report

1. Sample type	*Escherichia coli*
2. Target nucleic acid	Genomic DNA
3. Starting volume	1 x 10^9
4. Elution volume	50ul
5. Extraction kit	*ExiPrep*™ Cell Genomic DNA Kit (Cat. No. K-3235)
6. Extraction method	*ExiPrep*™ 16 (Cat. No. A-5010)
7. Extraction protocol	Genomic DNA from cultured cell

8. Material & Method

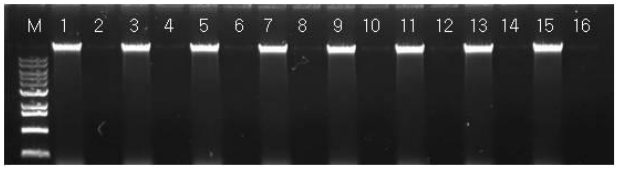
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Green well (1, 3, 5, 7, 9, 11, 13, 15); 1 x 10^9 *E. coli* cell

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

9. Experimental Results

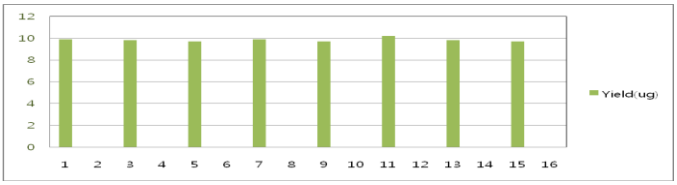
i) Agarose gel electrophoresis



M; 2ul of 1kb DNA Ladder (Cat. No. D-1040)
Lane 1~16; 5 ul of eluent
0.8% agarose gel, 150V 40min

ii) Typical yield and purity

Sample	$A_{260/280}$	Conc.(ng/ul)	Yield(ug)
E. coli	≥1.8	160 ~ 240	8 ~ 12



10. Discussions

The results confirmed that the 8 ~ 12ug genomic DNA purified from 1 x 10^9 *E. coli* cultured cell was consistenly obtained.