O UBIGENE **STR Authentication Report For Cell Line**

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1. Cell Name: EL4

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 20- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.

	gene genoty Genoty			TR and Amel	ogenin loci	in cells	Np.
	NE		or Sample cel	STR profile for Cell Bank cell Cell name: EL4			
STR Loci	3	Cell na	me: EL4				
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
18-3	18.0			BIGE.	18.0		
4-2	20.3	21.3			20.3	21.3	
6-7	15.0	16.0	17.0		15.0	16.0	17.0
19-2	13.0	15.0			13.0	15.0	O _V
1-2	15.0	18.0	20.0		15.0	18.0	20.0
7-1	26.2	27.2			26.2	27.2	
8-1	16.0				16.0		
1-1	17.0	19.0		CEN	17.0	19.0	
3-2	14.0			JBIO	14.0		
2-1	16.0	17.0			16.0	17.0	
15-3	24.3	25.3	26.3		24.3	25.3	26.3
6-4	18.0	19.0			18.0	19.0	
13-1	16.1	20.1	21.1		16.1	20.2	21.2
11-2	16.0				16.0		
17-2	16.0				16.0		
12-1	17.0			EN	17.0		
5-5	17.0	18.0	20.0	BIGE	17.0	18.0	20.0

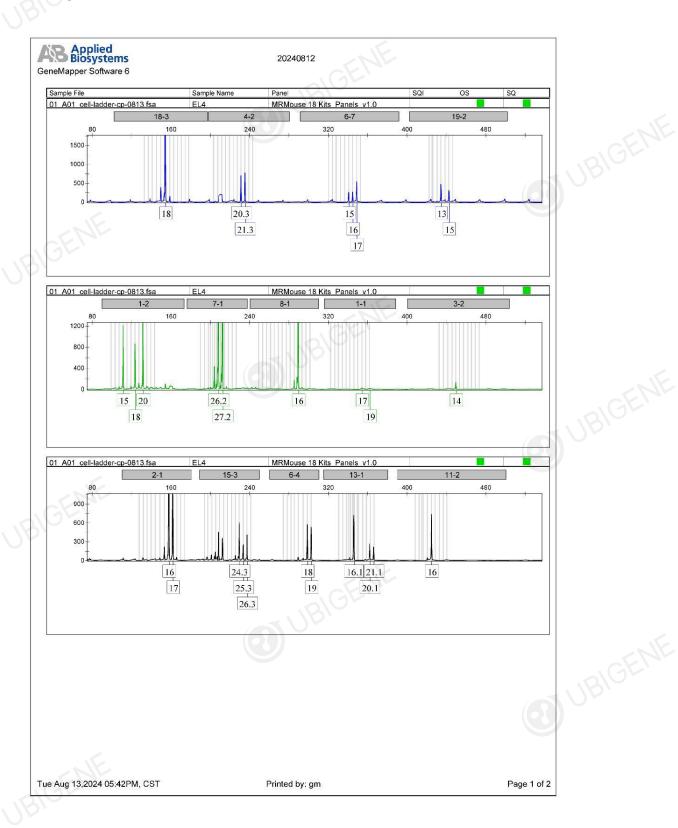
X-1	28.0			28.0	
TH01	0.				
D5S818			CENT		

Note: The cell lines were compared with the STR data of cell lines from ATCC, DSMZ, JCRB and RIKEN databases, the cell lines not included in the above cell banks could not be matched. D4S2408 and TH01 in the above sites is a human site, which is used to detect whether the cell is contaminated by human sources.

4. Conclusion: This cell line is identified as a mouse cell line. The STR results of <u>EL4</u> cells are consistent with the genotypes of <u>EL4</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL_0255</u>, and the STR results <u>basically matched</u>. In the test, <u>Multiple</u> <u>alleles were found, no cross-contamination, no human contamination</u> in this cell line.

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5. Attached Image





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