

STR Authentication Report For Cell Line

1. Cell Name: OKT 11

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.

3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells								
STR Loci	STR profile for Sample cell				STR profile for Cell Bank cell			
	Cell name: STR25032722				Cell name: OKT11			
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3	Allele4
18-3	17.0	18.0	19.0		17.0	18.0	19.0	
4-2	21.3				21.3			
6-7	12.0	13.0			12.0			
19-2	12.0	13.0	14.0		12.0	13.0	14.0	
1-2	16.0	17.0	18.0		16.0	17.0	18.0	
7-1	24.2	25.2	26.2	28.2	24.2	25.2	26.2	28.2
8-1	13.0	16.0			13.0	16.0		
1-1	16.0				11.0	14.0	15.0	16.0
3-2	12.0	13.0	14.0		12.0	13.0	14.0	
2-1	15.0	16.0			15.0	16.0		
15-3	21.3	22.3	23.3		21.3	22.3	23.3	
6-4	18.0	19.0			18.0	19.0		
13-1	15.2	16.2	17.2		15.2	16.2	17.2	
11-2	15.0	17.0	18.0		15.0	17.0	18.0	
17-2	15.0	16.0			15.0	16.0	18.0	

12-1	16.0	18.0			16.0	17.0		
5-5	13.0	14.0			13.0	14.0		
X-1	25.0	26.0			25.0	26.0		
TH01								
D5S818								

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 **OKT 11** cells are consistent with the genotypes of **OKT 11** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 2664**, and the STR results **basically matched**. In the test, **No multi allele was found in this cell line, and there was no human source contamination** in this cell line.

5. Attached Image



