

## STR Authentication Report For Cell Line

1. Cell Name: K7M2-WT
2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- 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: STR24091221				Cell name: K7M2-WT		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
18-3	18.0				18.0		
4-2	21.3				21.3		
6-7	12.0				12.0		
19-2	13.0				13.0		
1-2	17.0				17.0		
7-1	29.0				29.0		
8-1	13.0	14.0			13.0	14.0	
1-1	16.0				16.0		
3-2	12.0	13.0			12.0	13.0	
2-1	16.0				16.0		
15-3	22.3				22.3		
6-4	18.0				18.0		
13-1	16.2				16.2		
11-2	18.0				18.0		
17-2	16.0	17.0			16.0	17.0	
12-1	17.0				17.0		
5-5	14.0				14.0		

X-1	25.0				25.0		
TH01							
D5S818							

4. Conclusion: The STR results of **K7M2-WT** cells are consistent with the genotypes of **K7M2-WT** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL\_V455** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

