

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: K7M2-Y01-Z				Cell name: K7M2-WT		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
4-2	242 【21.3】				21.3		
5-5	335.92 【14】				14.0		
6-4	300.2 【18】				18.0		
6-7	334.56 【12】				12.0		
9-2	221.44 【15】				15.0		
12-1	230.09 【17】				17.0		
3-15	201.09 【22.3】				22.3		
3-18	160.43 【18】				18.0		
X-1	400.57 【25】				25.0		
D4S2408							

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **K7M2-WT** cells are consistent with the genotypes of cell

lines in **ATCC** database, the cell ID corresponded to , and the STR results **basically** **matched**. In the test, **Multi allele was found** in this cell line.