

STR Authentication Report For Cell Line

1. Cell Name: TK6

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: STR24112712			Cell name: TK6		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	11	11		11	11	
D7S820	9	11		9	11	
D16S539	11	12		11	12	
VWA	17	20		17	20	
TH01	8	9.3		8	9.3	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	11	12		11	12	
D12S391	17	22				
FGA	22	24				
D2S1338	17	25				
D21S11	29	29				
D18S51	11	16				
D8S1179	10	13				

D3S1358	16	16				
D6S1043	11	11				
PENTAE	5	7				
D19S433	14	16				
PENTAD	11	12				
D1S1656	14	16				

4. Conclusion: The STR results of **TK6** cells are consistent with the genotypes of **TK6** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-8015** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

