

STR Authentication Report For Cell Line

1. Cell Name: HEK293

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: HEK293-Y03-Z			Cell name: HEK-293.2sus		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	8	8		8	8	
D13S317	12	14		12	14	
D7S820	11	12		11	12	
D16S539	9	13		9	13	
VWA	16	19		16	19	
TH01	7	9.3		7	9.3	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	12	12		12	12	
D12S391	19	21				
FGA	23	23				
D2S1338	19	19				
D21S11	28	30.2				
D18S51	17	18				
D8S1179	12	14				

D3S1358	15	17				
D6S1043	11	11				
PENTAE	7	15				
D19S433	18	18				
PENTAD	9	10				
D1S1656	15	17.3				

4. Conclusion: The STR results of **HEK293** cells are consistent with the genotypes of **HEK293** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1573.3**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image



