

STR Authentication Report For Cell Line

1. Cell Name: HFF-1

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: HFF-1-MS				Cell name: HFF-1		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	11			11	11	
D13S317	11	13			11	13	
D7S820	9	10	12.0		9	10	12.0
D16S539	10	12			10	12	
VWA	14	15	17.0	19.0	14	15	17.0
TH01	7	9	9.3		7	9	9.3
AMEL	X	Y			X	Y	
TPOX	8	11			8	11	
CSF1PO	7	11	12.0	13.0	7	11	12.0
D12S391	17	18	19.3				
FGA	19	21	22.0	25.0			
D2S1338	17	19	20.0				
D21S11	28	29	30.0	32.2			
D18S51	10	13	16.0				
D8S1179	10	14	15.0				

D3S1358	15	17	18.0				
D6S1043	12	13	17.0				
PENTAE	7	12	21.0				
D19S433	13	14	15.0				
PENTAD	9	12	13.0	16.0			
D1S1656	12	16	17.3				

4. Conclusion: The STR results of **HFF-1** cells are consistent with the genotypes of **HFF-1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_3285** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

