

STR Authentication Report For Cell Line

1. Cell Name: HCC1937

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: STR24103111			Cell name: HCC-1937		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	13	13		13	13	
D7S820	9	10		9	10	
D16S539	13	14		13	14	
VWA	16	17		16	17	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	12	12		12	12	
D12S391	17.3	21				
FGA	20	22				
D2S1338	25	25				
D21S11	28	28				
D18S51	12	12				
D8S1179	12	13				

D3S1358	18	18				
D6S1043	11	11				
PENTAE	13	13				
D19S433	14	15				
PENTAD	9	9				
D1S1656	15	15				

4. Conclusion: The STR results of **HCC1937** cells are consistent with the genotypes of **HCC1937** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-513**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

