

STR Authentication Report For Cell Line

1. Cell Name: HCC-44

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: STR25032003			Cell name: HCC-44		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	11	11		11	11	
D7S820	8	10		8	10	
D16S539	9	13		9	13	
VWA	15	15		15	15	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	8	12		8	12	
CSF1PO	9	11		9	11	
D12S391	20	20				
FGA	24	24				
D2S1338	17	24				
D21S11	28	32.2				
D18S51	17	17				
D8S1179	14	15				

D3S1358	14	15				
D6S1043	12	12				
PENTAE	10	12				
D19S433	14	16				
PENTAD	12	12				
D1S1656	16	16				

4. Conclusion: The STR results of **HCC-44** cells are consistent with the genotypes of **HCC-44** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-534** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

