

STR Authentication Report For Cell Line

1. Cell Name: HCC4006

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: STR25041120			Cell name: HCC4006		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	11	12		11	12	
D7S820	9	12		9	12	
D16S539	12	12		12	12	
VWA	16	17		16	17	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	10		10	10	
D12S391	21	22				
FGA	21	22				
D2S1338	17	24				
D21S11	31	31				
D18S51	19	19				
D8S1179	10	14				
D3S1358	18	18				
D6S1043	17	17				

PENTAE	7	13				
D19S433	12	13				
PENTAD	9	14				
D1S1656	16	17.3				

4. Conclusion: The STR results of **HCC4006** cells are consistent with the genotypes of **HCC4006** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 1269**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

