

## STR Authentication Report For Cell Line

1. Cell Name: HCC1569

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: STR24112705			Cell name: HCC1569		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	12	13		12	12	
D7S820	8	9		8	9	
D16S539	11	12	13.0	11	12	13.0
VWA	17	17		17	17	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	6	11		6	11	
CSF1PO	10	11	12.0	10	11	12.0
D12S391	19	20				
FGA	19.2	24				
D2S1338	18	22	24.0			
D21S11	28	28				
D18S51	17	18	19.0			
D8S1179	12	14	15.0			

D3S1358	15	16				
D6S1043	20	21				
PENTAE	16	17				
D19S433	12.2	12.2				
PENTAD	8	8				
D1S1656	13	14	15.0			

4. Conclusion: The STR results of **HCC1569** cells are consistent with the genotypes of **HCC1569** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL\_1255**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

