

## STR Authentication Report For Cell Line

1. Cell Name: SUM-149PT

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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: SUM-149PT			Cell name: SUM149PT		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	12	12		12	12	
D7S820	11	11		11	11	
D16S539	11	11		11	11	
VWA	16	18		16	18	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	X		X	X	
TPOX	9	9		9	9	
CSF1PO	12	12		12	12	
D12S391	15	18				
FGA	29	29				
D2S1338	20	20				
D21S11	28	31.2				
D18S51	14	15				
D8S1179	14	16				
D3S1358	17	17				
D6S1043	18	18				

PENTAE	11	11				
D19S433	12	14				
PENTAD	8	9				
D1S1656	13	16.3				

4. Conclusion: The STR results of **SUM-149PT** cells are consistent with the genotypes of **SUM149PT** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 3422** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

