

STR Authentication Report For Cell Line

1. Cell Name: SW579

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: SW579			Cell name: SW579 [SW 579, SW-579]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	13	13		13	13	
D7S820	8	9		8	9	
D16S539	11	11		11	11	
VWA	14	18		14	18	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	8	10		8	10	
CSF1PO	13	13		13	13	
D12S391	18	22				
FGA	21	24				
D2S1338	17	18				
D21S11	29	31				
D18S51	15	17	18.0			
D8S1179	11	13				

D3S1358	15	18				
D6S1043	20	20				
PENTAE	11	12				
D19S433	13	14				
PENTAD	9	12				
D1S1656	14.3	17.3				

4. Conclusion: The STR results of **SW579** cells are consistent with the genotypes of **SW579** **[SW 579, SW-579]** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-107** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

