

STR Authentication Report For Cell Line

1. Cell Name: SW837

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: STR24092507			Cell name: SW837 [SW-837]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	13	13		13	13	
D7S820	9	12		9	12	
D16S539	12	12		12	12	
VWA	15	16		15	16	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	10		10	10	
D12S391	21	24				
FGA	25	25				
D2S1338	24	24				
D21S11	28	31				
D18S51	17	17				
D8S1179	8	14				

D3S1358	18	18				
D6S1043	12	12				
PENTAE	11	12				
D19S433	13	13				
PENTAD	9	11				
D1S1656	13	18.3				

4. Conclusion: The STR results of **SW837** cells are consistent with the genotypes of **SW837** cell lines in **ATCC** database, the cell ID corresponded to **CCL-235** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

