

STR Authentication Report For Cell Line

1. Cell Name: SW780

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: SW780			Cell name: SW-780		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	12		11	12	
D7S820	9	10		9	10	
D16S539	9	11		9	11	
VWA	16	19		16	19	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	11		10	11	
D12S391	20	25				
FGA	19	20				
D2S1338	19	22				
D21S11	29	30				
D18S51	15	15				
D8S1179	13	13				

D3S1358	16	18				
D6S1043	11	20				
PENTAE	12	12				
D19S433	13	15				
PENTAD	9	9				
D1S1656	12	12				

4. Conclusion: The STR results of **SW780** cells are consistent with the genotypes of **SW780** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2169** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

