

## STR Authentication Report For Cell Line

1. Cell Name: SW1990

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: SW1990			Cell name: SW 1990 [SW-1990, SW1990]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	8	12		8	12	
D7S820	9	10		9	10	
D16S539	13	13		13	13	
VWA	17	17		17	17	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	12		10	12	
D12S391	17	17				
FGA	26	26				
D2S1338	23	23				
D21S11	31	31				
D18S51	13	13				
D8S1179	11	14				
D3S1358	16	16				
D6S1043	11	19				

PENTAE	5	7				
D19S433	13	15				
PENTAD	11	11				
D1S1656	12	15				

4. Conclusion: The STR results of **SW1990** cells are consistent with the genotypes of **SW1990** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2172**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

