

STR Authentication Report For Cell Line

1. Cell Name: SW620
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: SW620			Cell name: SW620 [SW-620]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	12	12		12	12	
D7S820	8	9		8	9	
D16S539	9	13		9	13	
VWA	16	16		16	16	
TH01	8	8		8	8	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	13	14		13	14	

4. Conclusion: The STR results of **SW620** cells are consistent with the genotypes of **SW620** cell lines in **DSMZ** database, the cell ID corresponded to **CCL-227** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

