

STR Authentication Report For Cell Line

1. Cell Name: SW 48
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: SW48			Cell name: SW48 [SW-48]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	14		10	14	
D13S317	11	12		11	12	
D7S820	9	10		9	10	
D16S539	11	13		11	13	
VWA	18	20		18	20	21.0
TH01	6	9.3		6	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	9	10		9	10	
D12S391	20	20				
FGA	20	20				
D2S1338	19	26	27.0			
D21S11	28	31				
D18S51	13	13				
D8S1179	13	14	15.0			
D3S1358	14	15				
D6S1043	11	18				

PENTAE	12	13				
D19S433	14	14				
PENTAD	10	10				
D1S1656	11	13				

4. Conclusion: The STR results of **SW 48** cells are consistent with the genotypes of **SW 48** cell lines in **DSMZ** database, the cell ID corresponded to **CCL-231** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

