

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: C20220926D03			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	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

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

