

STR Authentication Report For Cell Line

1. Cell Name: SMMC-7721

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: SMMC-7721			Cell name: SMMC-7721		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	13.3	13.3		13.3	13.3	
D7S820	12	12		12	12	
D16S539	9	10		9	10	
VWA	16	17	18.0	16	18	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	12	12		12	12	
CSF1PO	10	10		10	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 **SMMC-7721** cells are consistent with the genotypes of cell lines in database, the cell ID corresponded to , and the STR results **basically matched**. In the test, **None** in this cell line.

5. Attached Image

