

STR Authentication Report For Cell Line

1. Cell Name: WI-38

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: WI-38			Cell name: WI-38		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	10		10	10	
D13S317	11	11		11	11	
D7S820	9	11		9	11	
D16S539	11	12		11	12	
VWA	19	20		19	20	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	12		10	12	
D12S391	21	23				
FGA	22	24				
D2S1338	19	25				
D21S11	30	30.2				
D18S51	16	18				
D8S1179	14	14				
D3S1358	16	17				
D6S1043	11	19				

PENTAE	13	14				
D19S433	13	16.2				
PENTAD	13	13				
D1S1656	11	18.3				

4. Conclusion: The STR results of **WI-38** cells are consistent with the genotypes of **WI-38** cell lines in **DSMZ** database, the cell ID corresponded to **CCL-75** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

