

STR Authentication Report For Cell Line

1. Cell Name: ZR-75-1

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: STR25032710			Cell name: ZR-75-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	9	9		9	9	
D7S820	10	11		10	11	
D16S539	11	11		11	11	
VWA	16	18		16	18	
TH01	7	9.3		7	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	11		10	11	
D12S391	21	21				
FGA	20	22				
D2S1338	16	25				
D21S11	31	31				
D18S51	13	14				
D8S1179	11	13				

D3S1358	15	16				
D6S1043	12	12				
PENTAE	7	14				
D19S433	13	14				
PENTAD	14	14				
D1S1656	16.3	16.3				

4. Conclusion: The STR results of **ZR-75-1** cells are consistent with the genotypes of **ZR-75-1** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1500** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

