

STR Authentication Report For Cell Line

1. Cell Name: MCF7

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: MCF7			Cell name: MCF-7		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	8	9		8	9	
D16S539	11	12		11	12	
VWA	14	15		14	15	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	9	12		9	12	
CSF1PO	10	10		10	10	
D12S391	18	20				
FGA	23	25				
D2S1338	21	23				
D21S11	30	30				
D18S51	14	14				
D8S1179	10	14				

D3S1358	16	16				
D6S1043	12	18				
PENTAE	7	12				
D19S433	13	13				
PENTAD	12	12				
D1S1656	11	15.3				

4. Conclusion: The STR results of **MCF7** cells are consistent with the genotypes of **MCF7** cell lines in **DSMZ** database, the cell ID corresponded to **115** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image



