

STR Authentication Report For Cell Line

1. Cell Name: MCF 10A

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: MCF 10A			Cell name: MCF-10A		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13		10	13	
D13S317	8	9		8	9	
D7S820	10	11		10	11	
D16S539	11	12		11	12	
VWA	15	17		15	17	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	9	11		9	11	
CSF1PO	10	12		10	12	
D12S391	17	20				
FGA	22	24				
D2S1338	21	26				
D21S11	28	30				
D18S51	18	19				
D8S1179	14	16				
D3S1358	14	18				
D6S1043	12	18				

PENTAE	13	14				
D19S433	13	15				
PENTAD	10	12				
D1S1656	16.3	17.3				

4. Conclusion: The STR results of **MCF 10A** cells are consistent with the genotypes of **MCF 10A** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-10317** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

