

STR Authentication Report For Cell Line

1. Cell Name: CA46

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: STR24112710			Cell name: CA-46		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	8	12		8	12	
D7S820	11	12		11	12	
D16S539	11	12		11	12	
VWA	15	16		15	16	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	12		10	12	
D12S391	17	21				
FGA	19	23				
D2S1338	20	22				
D21S11	28	29				
D18S51	13	16				
D8S1179	15	15				
D3S1358	16	18				
D6S1043	18	18				

PENTAE	5	11				
D19S433	15.2	15.2				
PENTAD	12	13				
D1S1656	13	13				

4. Conclusion: The STR results of **CA46** cells are consistent with the genotypes of **CA46** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-73** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

