

STR Authentication Report For Cell Line

1. Cell Name: SK-CO-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: STR25031417			Cell name: SK-CO-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	11		9	11	
D13S317	14	14		14	14	
D7S820	8	10		8	10	
D16S539	13	13		13	13	
VWA	18	19		18	19	
TH01	8	9		8	9	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	13	13		13	13	
D12S391	18	18				
FGA	20	20				
D2S1338	17	21				
D21S11	28	30				
D18S51	19	19				
D8S1179	12	14				

D3S1358	17	18				
D6S1043	11	11				
PENTAE	13	16				
D19S433	12	13				
PENTAD	11	11				
D1S1656	13	18.3				

4. Conclusion: The STR results of **SK-CO-1** cells are consistent with the genotypes of **SK-CO-1** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-39** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

