

STR Authentication Report For Cell Line

1. Cell Name: SK-MEL-5

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: STR25041106			Cell name: SK-MEL-5		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	13		11	13	
D13S317	10	12		10	12	
D7S820	9	12		9	12	
D16S539	10	12		10	12	
VWA	14	14		14	14	
TH01	6	9		6	9	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	10	13		10	13	
D12S391	22	22				
FGA	20.2	22				
D2S1338	17	25				
D21S11	29	29				
D18S51	16	16				
D8S1179	12	15				
D3S1358	16	17				
D6S1043	18	18				

PENTAE	5	12				
D19S433	14	15				
PENTAD	9	11				
D1S1656	13	16				

4. Conclusion: The STR results of **SK-MEL-5** cells are consistent with the genotypes of **SK-MEL-5** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 0527** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

