

STR Authentication Report For Cell Line

1. Cell Name: SK-MEL-2
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: STR24103105			Cell name: SK-MEL-2		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	11	11		11	11	
D7S820	11	12		11	12	
D16S539	8	9		8	9	
VWA	17	17		17	17	
TH01	9	9		9	9	
AMEL	X	Y		X	Y	
TPOX	8	9		8	9	
CSF1PO	10	12		10	12	
D12S391	18	18				
FGA	19	25				
D2S1338	21	23				
D21S11	29	30				
D18S51	15	16				
D8S1179	12	13				
D3S1358	14	16				
D6S1043	11	18				

PENTAE	7	16				
D19S433	12	15				
PENTAD	10	15				
D1S1656	13	13				

4. Conclusion: The STR results of **SK-MEL-2** cells are consistent with the genotypes of **SK-MEL-2** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_0069**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

