

## STR Authentication Report For Cell Line

1. Cell Name: SK-MEL-28

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: STR25031410			Cell name: SK-MEL-28		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	11	12		11	12	
D7S820	10	11		9.3	10	
D16S539	9	12		9	12	
VWA	16	19		16	19	
TH01	7	7		7	7	
AMEL	X	Y		X	Y	
TPOX	8	12	13.0	8	12	
CSF1PO	10	10		10	10	
D12S391	15	19				
FGA	19	19				
D2S1338	18	18				
D21S11	28	29				
D18S51	12	16				
D8S1179	13	13				
D3S1358	16	18				
D6S1043	18	18				

PENTAE	8	12				
D19S433	14	14				
PENTAD	9	10				
D1S1656	12	12				

4. Conclusion: The STR results of **SK-MEL-28** cells are consistent with the genotypes of **SK-MEL-28** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL\_0526** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

