

## STR Authentication Report For Cell Line

1. Cell Name: SK-HEP-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: SK-HEP-1			Cell name: SK-HEP-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13		10	13	
D13S317	8	12		8	12	
D7S820	8	11		8	11	
D16S539	12	12		12	12	
VWA	14	17		14	17	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	9	9		9	9	
CSF1PO	11	12		11	12	
D12S391	18	19				
FGA	17	17				
D2S1338	20	23				
D21S11	29	31				
D18S51	13	15				
D8S1179	13	14				

D3S1358	15	16				
D6S1043	11	11				
PENTAE	13	21				
D19S433	12	15.2				
PENTAD	13	14				
D1S1656	15	16	17.0			

4. Conclusion: The STR results of **SK-HEP-1** cells are consistent with the genotypes of **SK-HEP-1** cell lines in **DSMZ** database, the cell ID corresponded to **141** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

