

STR Authentication Report For Cell Line

1. Cell Name: HL-60

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: HL-60			Cell name: HL-60		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	8	11		8	11	
D7S820	11	12		11	12	
D16S539	11	11		11	11	
VWA	16	16		16	16	
TH01	7	8		7	8	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	13	14		13	14	
D12S391	18	20				
FGA	22	24				
D2S1338	17	17				
D21S11	29	30				
D18S51	14	15				
D8S1179	12	13				
D3S1358	16	16				
D6S1043	11	12				

PENTAE	13	14				
D19S433	14	14				
PENTAD	10	12				
D1S1656	15	15				

4. Conclusion: The STR results of **HL-60** cells are consistent with the genotypes of **HL-60** cell lines in **DSMZ** database, the cell ID corresponded to **3**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

