

STR Authentication Report For Cell Line

1. Cell Name: SU-DHL-10

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: STR24091216			Cell name: SU-DHL-10		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	10	11		10	11	
D7S820	8	11		8	11	
D16S539	10	11		10	11	
VWA	17	17		17	17	
TH01	8	9.3		8	9.3	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	10	13		10	13	
D12S391	17.3	22				
FGA	22	23				
D2S1338	17	23				
D21S11	31	31				
D18S51	17	17				
D8S1179	8	8				

D3S1358	15	16				
D6S1043	12	20				
PENTAE	16	17				
D19S433	13	15				
PENTAD	9	11				
D1S1656	15.3	17.3				

4. Conclusion: The STR results of **SU-DHL-10** cells are consistent with the genotypes of **SU-DHL-10** cell lines in **ATCC** database, the cell ID corresponded to **ACC-576** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

