

STR Authentication Report For Cell Line

1. Cell Name: SU-DHL-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: STR24091217			Cell name: SU-DHL-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	9	13		9	13	
D7S820	10	13		10	13	
D16S539	11	11		11	12	
VWA	15	17		15	17	
TH01	6	7		6	7	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	12	12		12	12	
D12S391	17	17				
FGA	21	21				
D2S1338	19	20	21.0			
D21S11	29	30				
D18S51	15	15				
D8S1179	11	11				

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

4. Conclusion: The STR results of **SU-DHL-1** cells are consistent with the genotypes of **SU-DHL-1** cell lines in **ATCC** database, the cell ID corresponded to **ACC-356** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

