STR Authentication Report For Cell Line

1. Cell Name: LS 174T

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: LS174T			Cell name: LS174T		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	16		11	14	15.0
D13S317	10	10		10	10	
D7S820	11	11		11	11	
D16S539	11	13		11	13	
VWA	15	16	17.0	15	17	18.0
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	13		10	14	
D12S391	16	20				
FGA	20	21	22.0			
D2S1338	18	22				
D21S11	29	30	31.0			
D18S51	11	13				
D8S1179	12	16				
D3S1358	15	17				
D6S1043	12	13	14.0			

PENTAE	15	16				
D19S433	14	15				
PENTAD	10	10				
D1S1656	12	13	18.3			

4. Conclusion: The STR results of **LS 174T** cells are consistent with the genotypes of - cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_1384Worst** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image