

STR Authentication Report For Cell Line

1. Cell Name: LS513

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: STR25030702			Cell name: LS513		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	11		9	11	
D13S317	9	10		9	10	
D7S820	8	11		8	11	
D16S539	12	13		12	13	
VWA	16	17		16	17	
TH01	8	8		8	8	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	10	13		10	13	
D12S391	19	26				
FGA	19	21				
D2S1338	19	19				
D21S11	30	30				
D18S51	12	18				
D8S1179	13	13				

D3S1358	15	15				
D6S1043	12	19				
PENTAE	5	18				
D19S433	12	14				
PENTAD	9	14				
D1S1656	15.3	17				

4. Conclusion: The STR results of **LS513** cells are consistent with the genotypes of **LS513** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2134** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

