

STR Authentication Report For Cell Line

1. Cell Name: NCI-H522

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: STR25041107			Cell name: NCI-H522 [H522]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	10	10		10	10	
D7S820	9	10		9	10	
D16S539	12	12		12	12	
VWA	17	17		17	17	
TH01	7	9.3		7	9.3	
AMEL	X	X		X	X	
TPOX	9	10		9	10	
CSF1PO	10	10		10	10	
D12S391	17	17				
FGA	24	24				
D2S1338	17	20				
D21S11	28	31.2				
D18S51	14	18				
D8S1179	12	13				
D3S1358	16	16				
D6S1043	12	12				

PENTAE	11	11				
D19S433	16	16				
PENTAD	11	11				
D1S1656	13	14				

4. Conclusion: The STR results of **NCI-H522** cells are consistent with the genotypes of **NCI-H522** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5810** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

