

STR Authentication Report For Cell Line

1. Cell Name: NCI-H520

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: NCI-H520			Cell name: NCI-H520 [H520]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	10	11		10	11	
D7S820	8	12		8	12	
D16S539	8	13		8	13	
VWA	18	19		18	19	
TH01	10	10		10	10	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	10		10	10	
D12S391	21	21				
FGA	22	22				
D2S1338	18	23				
D21S11	30	30				
D18S51	17	17				
D8S1179	14	16	17.0			
D3S1358	16	16				
D6S1043	12	18				

PENTAE	5	14				
D19S433	13	14				
PENTAD	13	13				
D1S1656	14	16.3				

4. Conclusion: The STR results of **NCI-H520** cells are consistent with the genotypes of **NCI-H520** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-182** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

