

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	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

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

