

STR Authentication Report For Cell Line

1. Cell Name: NCI-H526

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: STR25042501			Cell name: NCI-H526 [H526]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	13	13		13	13	
D7S820	9	12		9	12	
D16S539	9	9		9	9	
VWA	16	17		16	17	
TH01	6	8		6	8	
AMEL	X	X		X	Y	
TPOX	8	11		8	11	
CSF1PO	11	11		11	11	
D12S391	15	18				
FGA	22	22				
D2S1338	23	24				
D21S11	27	32.2				
D18S51	12	15				
D8S1179	14	14				

D3S1358	17	17				
D6S1043	11	11				
PENTAE	5	13				
D19S433	13	15				
PENTAD	13	14				
D1S1656	17	17.3				

4. Conclusion: The STR results of **NCI-H526** cells are consistent with the genotypes of **NCI-H526 [H526]** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5811** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

