

STR Authentication Report For Cell Line

1. Cell Name: NCI-H226[H226]

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: STR25012008			Cell name: NCI-H226 [H226]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	13	14		13	14	
D7S820	8	10		8	10	
D16S539	9	9		9	12	
VWA	17	17		17	17	
TH01	8	9.3		8	9.3	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	10	11		10	11	
D12S391	22	22				
FGA	20	20				
D2S1338	25	25				
D21S11	29	32.2				
D18S51	16	16				
D8S1179	14	15				
D3S1358	16	16				
D6S1043	13	18				

PENTAE	12	15				
D19S433	15	15				
PENTAD	9	10				
D1S1656	16	16				

4. Conclusion: The STR results of **NCI-H226[H226]** cells are consistent with the genotypes of **NCI-H226[H226]** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5826** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

