

STR Authentication Report For Cell Line

1. Cell Name: NCI-H716

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-H716			Cell name: NCI-H716 [H716]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	8	11		8	11	
D7S820	10	11		10	11	
D16S539	11	12		11	12	
VWA	16	17		16	17	
TH01	6	9.3		6	9.3	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	11	11		11	11	
D12S391	18	19				
FGA	20	22				
D2S1338	14	16				
D21S11	32.2	32.2				
D18S51	15	16				
D8S1179	15	15				
D3S1358	16	18				
D6S1043	12	13				

PENTAE	7	12				
D19S433	15	18.2				
PENTAD	9	9				
D1S1656	16	16				

4. Conclusion: The STR results of **NCI-H716** cells are consistent with the genotypes of **NCI-H716** cell lines in **DSMZ** database, the cell ID corresponded to **CCL-251** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

