

STR Authentication Report For Cell Line

1. Cell Name: NCI-H2452[H2452]

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: STR25012005			Cell name: NCI-H2452 [H2452]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	12	12		12	12	
D7S820	9	11		9	11	
D16S539	11	13		11	13	
VWA	17	18		17	18	
TH01	6	9.3		6	9.3	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	11	12		11	12	
D12S391	17.3	20	21.0			
FGA	23	23				
D2S1338	20	20				
D21S11	28	32.2				
D18S51	15	15				
D8S1179	10	10				

D3S1358	17	17				
D6S1043	11	12				
PENTAE	12	15				
D19S433	13	13				
PENTAD	9	9				
D1S1656	12	17.3				

4. Conclusion: The STR results of **NCI-H2452[H2452]** cells are consistent with the genotypes of **NCI-H2452[H2452]** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5946** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

