

STR Authentication Report For Cell Line

1. Cell Name: NCI-H460

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-H460			Cell name: NCI-H460		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	10		9	10	
D13S317	13	13		13	13	
D7S820	9	12		9	12	
D16S539	9	9		9	9	
VWA	17	17		17	17	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	11	12		11	12	
D12S391	21	21				
FGA	21	23				
D2S1338	17	25				
D21S11	30	30				
D18S51	13	15				
D8S1179	12	12				

D3S1358	15	18				
D6S1043	11	14				
PENTAE	5	5				
D19S433	14	14				
PENTAD	11	13				
D1S1656	11	14.3				

4. Conclusion: The STR results of **NCI-H460** cells are consistent with the genotypes of **NCI-H460** cell lines in **DSMZ** database, the cell ID corresponded to **737** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

