

STR Authentication Report For Cell Line

1. Cell Name: NCI-H1975

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-H1975			Cell name: NCI-H1975		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	10	13		10	13	
D7S820	8	8		8	11	
D16S539	9	12		9	12	
VWA	18	18		18	18	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	12	12		12	12	
D12S391	17	17				
FGA	21	24				
D2S1338	17	17				
D21S11	28	28				
D18S51	13	13				
D8S1179	13	13				
D3S1358	14	15				
D6S1043	12	12				

PENTAE	12	12				
D19S433	15	15.2				
PENTAD	12	13				
D1S1656	14	15				

4. Conclusion: The STR results of **NCI-H1975** cells are consistent with the genotypes of **NCI-H1975** cell lines in **EXPASY** database, the cell ID corresponded to **CRL-5908**, and the STR results **basically matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

