

STR Authentication Report For Cell Line

1. Cell Name: NCI-H2052

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: STR26020501			Cell name: NCI-H2052		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	12	12		12	12	
D7S820	12	12		12	12	
D16S539	13	13		11	13	
VWA	17	17		17	17	
TH01	7	9.3		7	9.3	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	11		10	11	
D12S391	16	21				
FGA	24	24				
D2S1338	17	18				
D21S11	32.2	32.2				
D18S51	16	17				
D8S1179	13	13				

D3S1358	14	15				
D6S1043	12	13				
PENTAE	12	12				
D19S433	12	15				
PENTAD	10	10				
D1S1656	13	18.3				

4. Conclusion: The STR results of **NCI-H2052** cells are consistent with the genotypes of **NCI-H2052** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_1518** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

