

STR Authentication Report For Cell Line

1. Cell Name: NCI-H1373
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-H1373			Cell name: NCI-H1373		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	6	6		6	6	
D7S820	10	12		10	12	
D16S539	10	10		10	10	
VWA	16	16		16	16	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	8	10		8	10	
CSF1PO	9	10		9	10	
D12S391	18	18				
FGA	20	24				
D2S1338	16	22				
D21S11	28	30.2				
D18S51	15	15				
D8S1179	13	16				
D3S1358	17	18				
D6S1043	12	12				

PENTAE	5	5				
D19S433	12	12				
PENTAD	9	10				
D1S1656	15	15				

4. Conclusion: The STR results of **NCI-H1373** cells are consistent with the genotypes of **NCI-H1373** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5866**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

