

STR Authentication Report For Cell Line

1. Cell Name: NCI-H23

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-H82 [H82]			Cell name: NCI-H82		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	8	8		8	8	
D7S820	10	13		10	13	
D16S539	12	12		12	12	
VWA	14	14		14	14	
TH01	9	9.3		9	9.3	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	11	11		11	11	
D12S391	20	23				
FGA	24	25				
D2S1338	17	24				
D21S11	28	30				
D18S51	14	18				
D8S1179	13	13				
D3S1358	17	17				
D6S1043	20	20				

PENTAE	11	12				
D19S433	13	13				
PENTAD	10	12				
D1S1656	13	15				

4. Conclusion: The STR results of **NCI-H23** cells are consistent with the genotypes of **NCI-H23** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5800** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

