

STR Authentication Report For Cell Line

1. Cell Name: NCI-H358

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-H358			Cell name: NCI-H358 [H-358, H358]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	12		10	12	
D13S317	8	12		8	12	
D7S820	10	11		10	11	
D16S539	12	13		12	13	
VWA	17	17		17	17	
TH01	6	6		6	6	
AMEL	X	Y		X	Y	
TPOX	8	9		8	9	
CSF1PO	11	12		11	12	
D12S391	20	22				
FGA	20	21				
D2S1338	17	23				
D21S11	28	29	30.0			
D18S51	14	16				
D8S1179	13	14				
D3S1358	14	18				
D6S1043	11	14				

PENTAE	18	18				
D19S433	13	14				
PENTAD	10	13				
D1S1656	15	15.3				

4. Conclusion: The STR results of **NCI-H358** cells are consistent with the genotypes of **NCI-H358** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5807** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

