

STR Authentication Report For Cell Line

1. Cell Name: NCI-H1703
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-H1703			Cell name: NCI-H1703 [H1703]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	10	10		10	10	
D7S820	10	12		10	12	
D16S539	10	12		10	12	
VWA	16	17		16	17	
TH01	7	7		7	7	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	12	12		12	12	
D12S391	18	18				
FGA	20	20				
D2S1338	19	20				
D21S11	29	29				
D18S51	17	18				
D8S1179	11	13				
D3S1358	16	17				
D6S1043	12	17				

PENTAE	10	12				
D19S433	13	13				
PENTAD	10	10				
D1S1656	15	17.3				

4. Conclusion: The STR results of **NCI-H1703** cells are consistent with the genotypes of **NCI-H1703 [H1703]** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5889** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

