

STR Authentication Report For Cell Line

1. Cell Name: NCI-H727

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-H727			Cell name: NCI-H727 [H727]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11	12.0	11	12	
D13S317	11	11		11	11	
D7S820	8	10		8	10	
D16S539	9	11	13.0	11	13	
VWA	14	15		14	15	
TH01	8	9.3		8	8	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	12		11	12	
D12S391	20	24				
FGA	20	22				
D2S1338	17	24				
D21S11	29	30	32.2			
D18S51	16	16				
D8S1179	10	12	14.0			
D3S1358	15	16				
D6S1043	12	17				

PENTAE	5	14				
D19S433	13	14				
PENTAD	9	14				
D1S1656	11	14				

4. Conclusion: The STR results of **NCI-H727** cells are consistent with the genotypes of **NCI-H727** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5815** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

