

## STR Authentication Report For Cell Line

1. Cell Name: NCI-H647

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: STR25041109			Cell name: NCI-H647 [H647]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	9	11		9	11	
D7S820	10	10		10	10	
D16S539	9	9		9	9	
VWA	17	17		17	17	
TH01	6	9.3		6	9.3	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	10	10		10	10	
D12S391	23	23				
FGA	22	24				
D2S1338	17	25				
D21S11	28	32.2				
D18S51	12	15				
D8S1179	11	13				
D3S1358	17	17				
D6S1043	18	20				

PENTAE	7	7				
D19S433	14	14				
PENTAD	12	13				
D1S1656	17.3	17.3				

4. Conclusion: The STR results of **NCI-H647** cells are consistent with the genotypes of **NCI-H647** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5834** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

