

## STR Authentication Report For Cell Line

1. Cell Name: NCI-N87
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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: NCI-N87			Cell name: NCI-N87 [N87]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	8	11		8	11	
D7S820	10	11		10	11	
D16S539	9	13		9	13	
VWA	15	16		15	16	
TH01	6	9		9	9	
AMEL	X	Y		X	Y	
TPOX	9	11		9	11	
CSF1PO	8	12		8	12	
D12S391	16	21				
FGA	20	21				
D2S1338	23	24				
D21S11	30	30				
D18S51	17	17				
D8S1179	14	14				
D3S1358	14	14				
D6S1043	12	12				

PENTAE	5	5				
D19S433	14	14.2				
PENTAD	12	12				
D1S1656	16	16				

4. Conclusion: The STR results of **NCI-N87** cells are consistent with the genotypes of **NCI-N87** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5822** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

