

STR Authentication Report For Cell Line

1. Cell Name: SNU-5

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: SNU-5			Cell name: NCI-SNU-5		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	10		10	10	
D13S317	8	9		8	9	
D7S820	8	12		8	12	
D16S539	13	13		13	13	
VWA	15	16		15	16	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	12	12		12	12	
D12S391	21	21				
FGA	21	21				
D2S1338	17	17				
D21S11	29	29				
D18S51	13	13				
D8S1179	14	15				
D3S1358	16	16				
D6S1043	11	13				

PENTAE	18	19				
D19S433	13.2	15				
PENTAD	9	13				
D1S1656	13	15				

4. Conclusion: The STR results of **SNU-5** cells are consistent with the genotypes of **SNU-5** cell lines in **DSMZ** database, the cell ID corresponded to **ATCC** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

