

STR Authentication Report For Cell Line

1. Cell Name: SNU-16

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: STR25030701			Cell name: SNU-16		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13		10	13	
D13S317	8	12		8	12	
D7S820	12	12		12	12	
D16S539	11	13		11	13	
VWA	16	16		16	16	
TH01	6	9		6	9	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	12	12		12	12	
D12S391	17	17				
FGA	23	23				
D2S1338	18	19				
D21S11	29	33.2				
D18S51	14	16				
D8S1179	14	14				
D3S1358	15	16				
D6S1043	18	20				

PENTAE	11	17				
D19S433	13	15.2				
PENTAD	9	12				
D1S1656	13	15				

4. Conclusion: The STR results of **SNU-16** cells are consistent with the genotypes of **SNU-16** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5974** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

