

STR Authentication Report For Cell Line

1. Cell Name: SNU-C5

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: STR25030709			Cell name: SNU-C5		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	8	8		8	8	
D7S820	12	12		12	12	
D16S539	8	13		8	13	
VWA	15	15		15	15	
TH01	6	9		6	9	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	13		11	13	
D12S391	18	19				
FGA	19	23				
D2S1338	22	23				
D21S11	29	31.2				
D18S51	15	21				
D8S1179	12	14				
D3S1358	15	15				
D6S1043	12	14				

PENTAE	20	20				
D19S433	12	14				
PENTAD	12	13				
D1S1656	16	19				

4. Conclusion: The STR results of **SNU-C5** cells are consistent with the genotypes of **SNU-C5** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 5112**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

