

## STR Authentication Report For Cell Line

1. Cell Name: NUGC-3

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: STR25032011				Cell name: NUGC-3		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	11			11	11	
D13S317	10	11			10	11	
D7S820	8	9			8	9	
D16S539	10	11			10	11	
VWA	18	18			18	18	
TH01	6	8			6	8	
AMEL	X	X			X	X	
TPOX	8	9			8	9	
CSF1PO	13	14			13	13	
D12S391	19	19					
FGA	17	17					
D2S1338	18	18					
D21S11	30	31					
D18S51	18	19					
D8S1179	12	13	17.0				

D3S1358	16	17					
D6S1043	10	11	17.0				
PENTAE	11	18					
D19S433	12	12					
PENTAD	11	11					
D1S1656	12	13	16.0	17.0			

4. Conclusion: The STR results of **NUGC-3** cells are consistent with the genotypes of **NUGC-3** cell lines in **DSMZ** database, the cell ID corresponded to **JCRB0822** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

### 5. Attached Image

