

## STR Authentication Report For Cell Line

1. Cell Name: NB4

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: NB4-YCAS9			Cell name: NB-4		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	11	12		11	12	
D7S820	10	13	14.0	10	13	
D16S539	9	9		9	9	
VWA	16	19		16	19	
TH01	7	9.3		7	9.3	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	11	12		11	12	
D12S391	19	22				
FGA	20	21	22.0			
D2S1338	20	23	25.0			
D21S11	28	33.2				
D18S51	12	14				
D8S1179	10	14				
D3S1358	15	17				
D6S1043	12	12				

PENTAE	7	13				
D19S433	15	15				
PENTAD	10	13				
D1S1656	12	15				

4. Conclusion: The STR results of **NB4** cells are consistent with the genotypes of **NB4** cell lines in **DSMZ** database, the cell ID corresponded to **207** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

