

## STR Authentication Report For Cell Line

1. Cell Name: NB4-YCAS9
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: 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	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

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

