

STR Authentication Report For Cell Line

1. Cell Name: CNE1
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: CNE1			Cell name: CNE-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	10	12	13.3	10	12	13.3
D7S820	10	12		10	12	
D16S539	9	10		9	10	
VWA	14	16		14	16	
TH01	6	7	9.0	6	7	9.0
AMEL	X	X		X	X	
TPOX	8	12		8	12	
CSF1PO	10	11		10	11	

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 **CNE1** cells are consistent with the genotypes of cell lines in database, the cell ID corresponded to , and the STR results **basically matched**. In the test, **None** in this cell line.

5. Attached Image

