

STR Authentication Report For Cell Line

1. Cell Name: YT
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: YT			Cell name: YT		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11		10	11	
D13S317	9	11		9	11	
D7S820	11	12		11	12	
D16S539	10	12		10	12	
VWA	17	18	20.0	17	18	20.0
TH01	6	7		6	7	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	10	12		10	11	

4. Conclusion: The STR results of YT cells are consistent with the genotypes of YT cell lines in EXPASY database, the cell ID corresponded to CVCL_1797 , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

