

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-Y01-K			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	
D12S391	18	20				
FGA	22	23				
D2S1338	19	20				
D21S11	30	32	35.0			
D18S51	14	16				
D8S1179	13	16				
D3S1358	15	17				
D6S1043	11	11				

PENTAE	15	15				
D19S433	14	14.2				
PENTAD	10	11				
D1S1656	16	17				

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

