

STR Authentication Report For Cell Line

1. Cell Name: MT-4

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: MT-4-Y01-K			Cell name: MT-4		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11		10	11	
D13S317	12	12		12	12	
D7S820	8	10		8	10	
D16S539	9	12		9	12	
VWA	17	18		17	18	
TH01	7	7		7	7	
AMEL	X	Y		X	Y	
TPOX	11	11		11	11	
CSF1PO	11	12		11	12	
D12S391	18	21				
FGA	23	23				
D2S1338	18	23				
D21S11	28	31				
D18S51	13	13				
D8S1179	10	15				

D3S1358	17	17				
D6S1043	12	12				
PENTAE	5	15				
D19S433	14.2	15.2				
PENTAD	10	13				
D1S1656	16	17				

4. Conclusion: The STR results of **MT-4** cells are consistent with the genotypes of **MT-4** cell lines in **DSMZ** database, the cell ID corresponded to **JCRB0135**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

