

## 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			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	

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

