

STR Authentication Report For Cell Line

1. Cell Name: MOLT4

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: MOLT-4				Cell name: MOLT-4		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	12	12			12	12	
D13S317	12	13			12	13	
D7S820	8	10	11.0		8	10	11.0
D16S539	11	14			11	14	
VWA	17	18			17	18	
TH01	6	8			6	8	
AMEL	X	Y			X	Y	
TPOX	8	8			8	8	
CSF1PO	11	12	13.0		11	12	13.0
D12S391	16	17	18.0	19.0			
FGA	22	23	24.0	25.0			
D2S1338	23	24					
D21S11	28	29	30.0	31.0			
D18S51	13	17					
D8S1179	9	14					
D3S1358	14	16					
D6S1043	15	15					

PENTAE	14	16					
D19S433	14	15					
PENTAD	8	13					
D1S1656	16	17					

4. Conclusion: The STR results of **MOLT4** cells are consistent with the genotypes of **MOLT4** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1582** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

