

## STR Authentication Report For Cell Line

1. Cell Name: Jurkat, Clone E6-1

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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: Jurkat-CloneE6-1			Cell name: Jurkat, Clone E6-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	9		9	9	
D13S317	8	12		8	12	
D7S820	8	12		8	12	
D16S539	11	11		11	11	
VWA	18	18		18	18	
TH01	6	9.3		6	9.3	
AMEL	X	Y		X	Y	
TPOX	8	10		8	10	
CSF1PO	11	12		11	12	
D12S391	22	23				
FGA	20	21				
D2S1338	19	23				
D21S11	31.2	33.2				
D18S51	13	21	22.0			
D8S1179	13	14				
D3S1358	15	15				
D6S1043	11	11				

PENTAE	10	12				
D19S433	14	15.2				
PENTAD	11	13				
D1S1656	16	17				

4. Conclusion: The STR results of **Jurkat, Clone E6-1** cells are consistent with the genotypes of **Jurkat, Clone E6-1** cell lines in **DSMZ** database, the cell ID corresponded to **TIB-152** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

### 5. Attached Image

