

STR Authentication Report For Cell Line

1. Cell Name: Jurkat clone A3 [A3]

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: STR25032713			Cell name: A3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	9		9	9	
D13S317	8	11		8	11	
D7S820	8	10		8	10	
D16S539	11	11		11	11	
VWA	17	18		17	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	24				
FGA	19	22				
D2S1338	19	23				
D21S11	31.2	33.2				
D18S51	13	20	21.0			
D8S1179	12	14				

D3S1358	15	17				
D6S1043	11	11				
PENTAE	10	12				
D19S433	13	14.2	15.2			
PENTAD	11	11				
D1S1656	17	17.3	18.3			

4. Conclusion: The STR results of **Jurkat clone A3 [A3]** cells are consistent with the genotypes of **Jurkat clone A3 [A3]** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2570** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

