

STR Authentication Report For Cell Line

1. Cell Name: JeKo-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:

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: JeKo-1			Cell name: JEKO-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13		10	13	
D13S317	8	9		8	9	
D7S820	10	11		10	11	
D16S539	12	12		12	12	
VWA	14	14		14	14	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	9	12		9	12	
D12S391	18	18				
FGA	21	24				
D2S1338	17	25				
D21S11	30	33.2				
D18S51	13	15				
D8S1179	11	14				
D3S1358	15	16				
D6S1043	20	20				

PENTAE	17	21				
D19S433	13	13				
PENTAD	12	12				
D1S1656	13	17.3				

4. Conclusion: The STR results of **JeKo-1** cells are consistent with the genotypes of **JeKo-1** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-553** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

