

STR Authentication Report For Cell Line

1. Cell Name: JM1

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: STR24103107			Cell name: JM1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	11	11		11	11	
D7S820	8	10		8	10	
D16S539	9	9		9	9	
VWA	17	17		17	17	
TH01	6	6		6	6	
AMEL	X	Y		X	Y	
TPOX	10	11		10	11	
CSF1PO	12	12		12	12	
D12S391	17	17				
FGA	20	20				
D2S1338	19	22				
D21S11	30	30				
D18S51	13	17				
D8S1179	12	13				

D3S1358	15	17				
D6S1043	12	15				
PENTAE	12	12				
D19S433	15	16.2				
PENTAD	8	9				
D1S1656	11	17.3				

4. Conclusion: The STR results of **JM1** cells are consistent with the genotypes of **JM1** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-10423** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

