

STR Authentication Report For Cell Line

1. Cell Name: Saos-2

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: SAOS-2			Cell name: SAOS-2		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	12	13		12	13	
D7S820	8	10		8	10	
D16S539	12	13		12	13	
VWA	18	18		18	18	
TH01	6	9		6	9	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	10		10	10	
D12S391	20	20				
FGA	22	25				
D2S1338	18	18				
D21S11	28	29	30.0			
D18S51	15	15				
D8S1179	10	12				

D3S1358	14	18				
D6S1043	11	14				
PENTAE	14	19				
D19S433	13	13				
PENTAD	11	12				
D1S1656	15	15				

4. Conclusion: The STR results of **Saos-2** cells are consistent with the genotypes of **Saos-2** cell lines in **DSMZ** database, the cell ID corresponded to **243** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image



