

STR Authentication Report For Cell Line

1. Cell Name: MES-SA

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: STR25032009			Cell name: MES-SA		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	11	13		11	13	
D7S820	7	11		7	11	
D16S539	11	12		11	12	
VWA	18	18		18	18	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	11	11		11	11	
D12S391	17	25				
FGA	20	25				
D2S1338	17	17				
D21S11	29	30.2				
D18S51	12	15				
D8S1179	14	15				

D3S1358	14	17				
D6S1043	11	11				
PENTAE	7	10				
D19S433	14.2	15				
PENTAD	13	15				
D1S1656	14	17.3				

4. Conclusion: The STR results of **MES-SA** cells are consistent with the genotypes of **MES-SA** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1976** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

