

STR Authentication Report For Cell Line

1. Cell Name: MM.1S

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: MM.1S			Cell name: MM.1S		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	8	12		8	12	
D13S317	13	13		13	13	
D7S820	10	11		10	11	
D16S539	12	12		12	12	
VWA	15	17		15	17	
TH01	7	8		7	8	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	9	14		9	14	
D12S391	17	24				
FGA	20	24				
D2S1338	21	22				
D21S11	29	30				
D18S51	11	16				
D8S1179	14	14				
D3S1358	16	17				
D6S1043	14	19				

PENTAE	13	15				
D19S433	13	13				
PENTAD	3	9				
D1S1656	11	12				

4. Conclusion: The STR results of **MM.1S** cells are consistent with the genotypes of **MM.1S** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2974**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

