

STR Authentication Report For Cell Line

1. Cell Name: DMS 53
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: DMS 53			Cell name: DMS-53		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11		10	11	
D13S317	10	10		10	10	
D7S820	8	11		8	11	
D16S539	12	13		12	13	
VWA	15	17		15	17	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	12	12		12	12	
CSF1PO	12	12		12	12	
D12S391	19	23				
FGA	20	20				
D2S1338	25	25				
D21S11	33.2	33.2				
D18S51	15	16				
D8S1179	12	12				
D3S1358	15	15				
D6S1043	11	12				

PENTAE	13	13				
D19S433	13	13				
PENTAD	10	10				
D1S1656	14	14				

4. Conclusion: The STR results of **DMS 53** cells are consistent with the genotypes of **DMS 53** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2062** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

