

STR Authentication Report For Cell Line

1. Cell Name: DMS114
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: DMS114			Cell name: DMS-114		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	13	13		13	13	
D7S820	10	11		10	11	
D16S539	12	12		12	12	
VWA	16	17		16	17	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	11	
CSF1PO	10	11		10	11	
D12S391	18	18				
FGA	21	21				
D2S1338	17	17				
D21S11	29	29				
D18S51	18	18				
D8S1179	12	13				
D3S1358	14	17				
D6S1043	12	17				

PENTAE	7	13				
D19S433	13	13				
PENTAD	11	13				
D1S1656	16	16.3				

4. Conclusion: The STR results of **DMS114** cells are consistent with the genotypes of **DMS114** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2066**, and the STR results **basically matched**. In the test, **No multi allele was found** in this cell line.

