

STR Authentication Report For Cell Line

1. Cell Name: WPMY-1

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: STR25022005			Cell name: WPMY-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	15		12	15	
D13S317	8	8		8	14	
D7S820	10	11		10	11	
D16S539	9	9		9	9	
VWA	14	18		14	18	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	13	13		13	13	
D12S391	20	23				
FGA	24	25				
D2S1338	17	20	21.3			
D21S11	31	31				
D18S51	14	16				
D8S1179	10	14				
D3S1358	15	16				
D6S1043	18	18				

PENTAE	5	5				
D19S433	13	13				
PENTAD	10	13				
D1S1656	16.3	16.3				

4. Conclusion: The STR results of **WPMY-1** cells are consistent with the genotypes of **WPMY-1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_3814** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

