

STR Authentication Report For Cell Line

1. Cell Name: SVG p12

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: STR25022006				Cell name: SVG p12		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	12	14.0		11	12	14.0
D13S317	8	13	14.0		8	13	14.0
D7S820	10	12	13.0		10	12	13.0
D16S539	10	11			10	11	12.0
VWA	15	16	18.0	19.0	15	16	18.0
TH01	6	7	9.0	9.3	6	7	9.0
NaN							
AMEL	X	X			X	Y	
TPOX	8	10	11.0		8	10	11.0
CSF1PO	10	11	12.0		10	11	12.0
D12S391	15	16	20.0				
FGA	22	24	25.0				
D2S1338	19	22					
D21S11	29	30					
D18S51	14	15	18.0				

D8S1179	12	14					
D3S1358	15	15					
D6S1043	11	17					
PENTAE	11	18					
D19S433	13	13					
PENTAD	11	13					
D1S1656	13	15	16.0	17.3			

4. Conclusion: The STR results of **SVG p12** cells are consistent with the genotypes of **SVG p12** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_3797**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

