

## STR Authentication Report For Cell Line

1. Cell Name: AN3 CA

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:

<b>Genotype analysis results of STR and Amelogenin loci in cells</b>						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: AN3 CA			Cell name: AN3-CA		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	14		11	14	
D13S317	12	14		12	14	
D7S820	7.1	10		7.1	10	
D16S539	10	14	15.0	10	14	15.0
VWA	14	20		14	20	
TH01	9.3	10		9.3	10	
AMEL	X	X		X	X	
TPOX	8	10		8	10	
CSF1PO	12	14	15.0	12	14	15.0
D12S391	20	24				
FGA	22	23				
D2S1338	20	23				
D21S11	29	30				
D18S51	15	18				
D8S1179	12	14				
D3S1358	17	17				
D6S1043	12	14	18.0			

PENTAE	9	16				
D19S433	14	14				
PENTAD	9	11				
D1S1656	13	18.3				

4. Conclusion: The STR results of **AN3 CA** cells are consistent with the genotypes of **AN3 CA** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL\_0028**, and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

