

## STR Authentication Report For Cell Line

1. Cell Name: GES-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: STR25032012			Cell name: GES-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	11		10	11	
D13S317	8	8		8	8	
D7S820	9	11		11	11	
D16S539	11	11		11	11	
VWA	18	19		14	18	19.0
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	11		11	11	
D12S391	18	20				
FGA	24.2	24.2				
D2S1338	21	24				
D21S11	30	32.2				
D18S51	13	19				
D8S1179	16	17				

D3S1358	15	16				
D6S1043	11	14				
PENTAE	12	19				
D19S433	14	16				
PENTAD	9	9				
D1S1656	15	17				

4. Conclusion: The STR results of **GES-1** cells are consistent with the genotypes of **GES-1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL\_EQ22** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

