

STR Authentication Report For Cell Line

1. Cell Name: CEM/C1

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: STR24122010			Cell name: CEM/C1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	10	12		10	12	
D7S820	9	12	13.0	9	12	
D16S539	10	13		10	13	
VWA	18	19		18	19	
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	11		11	11	
D12S391	18	21	22.0			
FGA	22	23				
D2S1338	23	24				
D21S11	30	34.2				
D18S51	13	17				
D8S1179	13	13				
D3S1358	14	15				
D6S1043	11	13				

PENTAE	5	14				
D19S433	14	15				
PENTAD	11	11				
D1S1656	16.3	18.3				

4. Conclusion: The STR results of **CEM/C1** cells are consistent with the genotypes of **CEM/C1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_3496**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

