

STR Authentication Report For Cell Line

1. Cell Name: GBC-SD

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: GBC-SD			Cell name: GBC-SD		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	8	12		8	12	
D7S820	11	12		11	12	
D16S539	11	13		11	13	
VWA	16	17		16	17	
TH01	7	10		7	10	
AMEL	X	Y		X	Y	
TPOX	11	11		11	11	
CSF1PO	11	11		13	13	
D12S391	19	20				
FGA	23	23				
D2S1338	17	24				
D21S11	30	31				
D18S51	14	21				
D8S1179	10	12				
D3S1358	17	17				
D6S1043	20	20				

PENTAE	12	12				
D19S433	14	15.2				
PENTAD	11	12				
D1S1656	15	16				

4. Conclusion: The STR results of **GBC-SD** cells are consistent with the genotypes of **GBC-SD** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_6903**, and the STR results **basically matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

