STR Authentication Report For Cell Line

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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				

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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

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