STR Authentication Report For Cell Line

Tel: +86 153 6067 3248(Int'l)
US Toll free: 855 777 3210
EU Toll free: 800 3272 9252
Korea Toll free: 001 800 3272 9252

Email: info@ubigene.com
Web: www.ubigene.us
Online Inquiry

1. Cell Name: BC-3

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 profile for Sample cell			STR profile for Cell Bank cell		
STR Loci	Cell name: BC-3			Cell name: BC-3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	10	12		10	12	
D16S539	12	12		12	12	
VWA	14	18		14	18	
TH01	6	9		6	9	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	11	12		11	12	
D12S391	18.3	20				
FGA	18	22				
D2S1338	24	25				
D21S11	29	30				
D18S51	14	22				
D8S1179	14	16				

D3S1358	15	17				
D6S1043	18	18				
PENTAE	7	15				
D19S433	14	15				
PENTAD	8	13				
D1S1656	13	17.3				

4. Conclusion: The STR results of **BC-3** cells are consistent with the genotypes of **BC-3** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-679** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

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