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
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1. Cell Name: COLO 320DM

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: STR25030714			Cell name: COLO-320 DM		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	11	11		11	11	
D7S820	9	12		9	12	
D16S539	11	12		11	12	
VWA	15	18		15	18	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	11	11		11	11	
D12S391	19	19				
FGA	20	20				
D2S1338	18	25				
D21S11	31	33.2				
D18S51	15	15				
D8S1179	13	13				

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D3S1358	17	17				
D6S1043	12	12				
PENTAE	11	11				
D19S433	15	16.2				
PENTAD	9	12				
D1S1656	16	17.3				

4. Conclusion: The STR results of **COLO 320DM** cells are consistent with the genotypes of **COLO 320DM** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-144** , 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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