STR Authentication Report For Cell Line

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1. Cell Name: A-375

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: A375-2k3			Cell name: A-375 [A375]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	11	14		11	14	
D7S820	9	9		9	9	
D16S539	9	9		9	9	
VWA	16	17		16	17	
TH01	8	8		8	8	
AMEL	X	X		X	X	
TPOX	8	10		8	10	
CSF1PO	11	12		11	12	
D12S391	18	21				
FGA	23	23				
D2S1338	16	24				
D21S11	29	30				
D18S51	12	17				
D8S1179	11	14				

D3S1358	15	17				
D6S1043	11	14				
PENTAE	10	12				
D19S433	13	14.2				
PENTAD	9	15				
D1S1656	16	17.3				

4. Conclusion: The STR results of **A-375** cells are consistent with the genotypes of **A-375** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1619** , 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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