(1) UBIGER

(1) UBIGENE **STR Authentication Report For Cell Line**

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Online Inquiry

1. Cell Name: MCF 10A

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. JUBIGEN

3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells								
.0	STR profile for Sample cell Cell name: MCF 10A			STR profile for Cell Bank cell Cell name: MCF-10A				
STR Loci								
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3		
D5S818	10	13	JUBIC	10	13			
D13S317	8	9		8	9			
D7S820	10	11		10	11	IBIGE		
D16S539	11	12		11	12			
VWA	15	17		15	17			
TH01	G 8	9.3		8	9.3			
AMEL	Х	Х		Х	Х			
TPOX	9	11	. C	9	11			
CSF1PO	10	12	OI UBIC	10	12			
D12S391	17	20				~E		
FGA	22	24				IBIGE		
D2S1338	21	26			(1)			
D21S11	28	30						
D18S51	18	19						
D8S1179	14	16						

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D3S1358	14	18			
D6S1043	12	18			
PENTAE	13	14	. C	ENE	
D19S433	13	15	UBIC		
PENTAD	10	12			75
D1S1656	16.3	17.3			* IBIO

4. Conclusion: The STR results of <u>MCF 10A</u> cells are consistent with the genotypes of <u>MCF 10A</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>CRL-10317</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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5. Attached Image



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