(1) UBIGER

## (1) UBIGENE **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: HFF-1

- 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:

	Genoty	pe analysis	results of S	TR and Amel	ogenin loci	in cells	7
	DIGERA	STR profile fo	or Sample ce	STR profile for Cell Bank cell			
STR Loci	9	Cell name	HFF-1-MS	Cell name: HFF-1			
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	11		BIO	11	11	
D13S317	11	13			11	13	-51
D7S820	9	10	12.0		9	10	12.0
D16S539	10	12			10	12	
VWA	14	15	17.0	19.0	14	15	17.0
TH01	7	9	9.3		7	9	9.3
AMEL	Х	Υ			X	Y	
TPOX	8	11		GEN	8	11	
CSF1PO	7	11	12.0	13.0	7	11	12.0
D12S391	17	18	19.3				CET
FGA	19	21	22.0	25.0			1)Blos
D2S1338	17	19	20.0			(3)	
D21S11	28	29	30.0	32.2			
D18S51	10	13	16.0				
D8S1179	10	14	15.0				

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D3S1358	15	17	18.0			
D6S1043	12	13	17.0		•	
PENTAE	7	12	21.0	GEN		
D19S433	13	14	15.0	JBIO		
PENTAD	9	12	13.0	16.0		251
D1S1656	12	16	17.3			IBIO

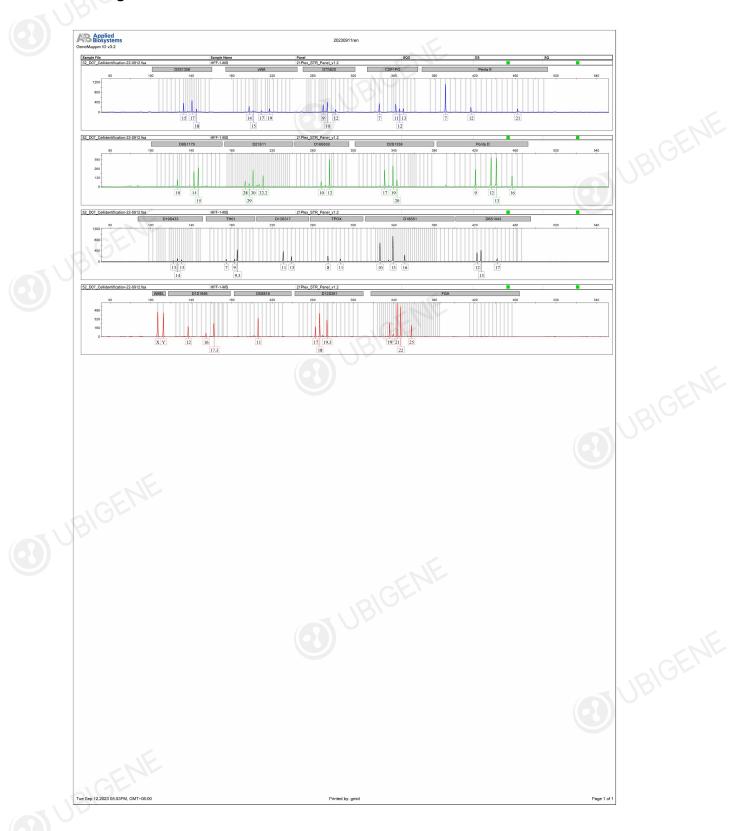
4. Conclusion: The STR results of <u>HFF-1</u> cells are consistent with the genotypes of <u>HFF-1</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL\_3285</u>, and the STR results <u>completely matched</u>. In the test, <u>Multi allele was found</u> in this cell line.

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## 5. Attached Image



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