(1) UBIGER

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

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1. Cell Name: HEL 92.1.7

- 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: STR24092506			STR profile for Cell Bank cell				
STR Loci				Cell name: HEL92.1.7				
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3		
D5S818	11	11	JUBIC	11	11			
D13S317	9	11		9	11			
D7S820	7	7		7	7	1 BIGK		
D16S539	11	11		11	11			
VWA	14	17		14	17			
TH01	GF7	7		7	7			
AMEL	Х	Y		Х	Υ			
TPOX	11	11	.0	11	11			
CSF1PO	10	10	UNBIC	10	10			
D12S391	18	21				aE'		
FGA	22	23				NIBION		
D2S1338	18	19						
D21S11	29	30.2						
D18S51	12	16						
D8S1179	13	15						

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D3S1358	15	15			
D6S1043	11	13			
PENTAE	13	18	. C	ENE	
D19S433	11	13	UBIC		
PENTAD	11	13			~E\
D1S1656	17.3	17.3			* I IBIO

4. Conclusion: The STR results of <u>HEL 92.1.7</u> cells are consistent with the genotypes of <u>HEL 92.1.7</u> cell lines in <u>ATCC</u> database, the cell ID corresponded to <u>HPACC</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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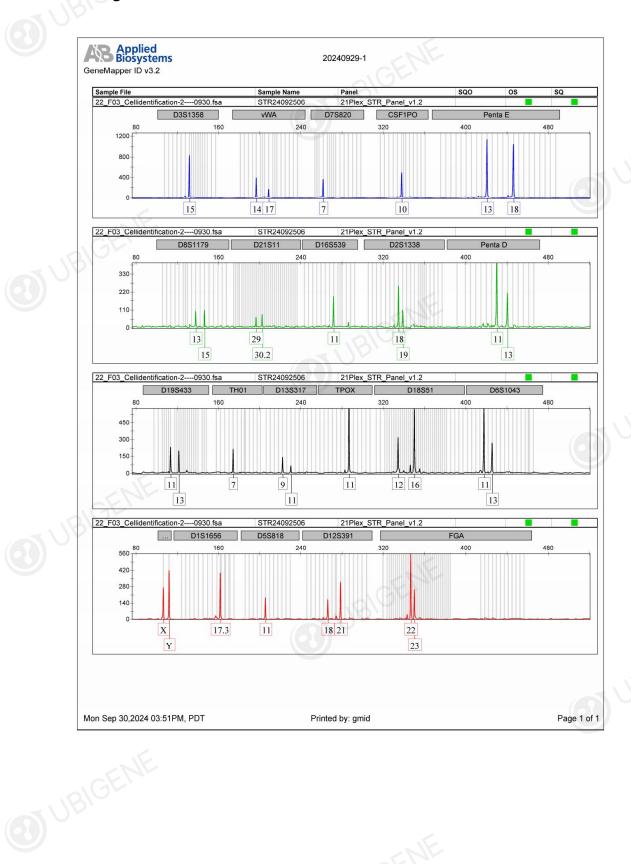
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5. Attached Image



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