## STR Authentication Report For Cell Line

(B) UBIGENE

EU Toll free: 800 3272 9252

- 1. Cell Name: HEL
- 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:

Sample ge	ene genotype		Analyzer. ult:				
	Genotype	analysis resu	ults of STR and	Amelogenin l	oci in cells		
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell			
	Cell name: HEL-Y02-K			Cell name: HEL			
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3	
D5S818	11	11	- IBIC	11	11		
D13S317	9	11		9	11		
D7S820	7	7		7	7	BIGE	
D16S539	11	11		11	11		
VWA	14	17		14	17		
TH01	G 7	7		7	7		
AMEL	Х	Х		Х	Х		
TPOX	11	11		111	11		
CSF1PO	10	10	UBIC	10	10		
D12S391	18	21				-61	
FGA	21	22	23.0			- IBIGE	
D2S1338	18	19					
D21S11	29	30.2	31.2				
D18S51	12	16					
D8S1179	13	15					
D3S1358	15	15		CNE			
D6S1043	11	13	-11810				

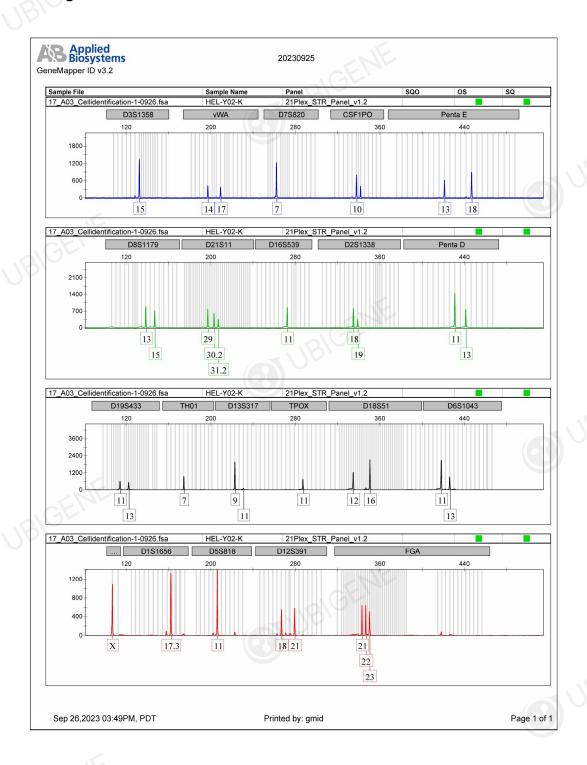
PENTAE	13	18			
D19S433	11	13			
PENTAD	11	13		ENE	
D1S1656	17.3	17.3	BIC		

4. Conclusion: The STR results of <u>HEL</u> cells are consistent with the genotypes of <u>HEL</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>JCRB0062</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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