(1) UBIGER

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

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1. Cell Name: HEC-1-A

- 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	ype analysis	results of S	TR and Amel	ogenin loci	in cells	7
	DIGE S	STR profile fo	or Sample ce	STR profile for Cell Bank cell			
STR Loci		Cell name: S	TR24122011	Cell name: HEC-1-A			
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	15		BIG	11	15	
D13S317	11	11			11	11	72-
D7S820	9	11			9	11	IBIGE
D16S539	12	12			12	12	
VWA	18	19			18	19	
TH01	6	7			6	7	
AMEL	Х	Х			Х	Х	
TPOX	8	11		GEN	8	11	
CSF1PO	10	12		DB/	10	12	
D12S391	19	19					a E I
FGA	21	22					IBIO
D2S1338	18	19				(3)	
D21S11	30	31					
D18S51	16	21					
D8S1179	13	14					

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D3S1358	15	15				
D6S1043	12	18			,	
PENTAE	11	11		GEN		
D19S433	13	13		JBIO		
PENTAD	8	9	12.0	13.0		251
D1S1656	18.3	19				IBIGE

4. Conclusion: The STR results of <u>HEC-1-A</u> cells are consistent with the genotypes of <u>HEC-1-A</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL\_0293</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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