(1) UBIGER

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

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1. Cell Name: IMR-90

- 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	e analysis resu	ults of STR and	Amelogenin l	oci in cells	
STR Loci	STR profile for Sample cell  Cell name: STR24103117			STR profile for Cell Bank cell		
				Cell name: IMR-90		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13	JUBIC	12	13	
D13S317	11	13		11	13	
D7S820	9	12		9	12	- IBIGE
D16S539	10	13		10	13	
VWA	16	19		16	19	
TH01	8	9.3		8	9.3	
AMEL	Х	Х		Х	Х	
TPOX	8	9	.0	8	9	
CSF1PO	11	13	UBIC	11	13	
D12S391	18	21				a E
FGA	25	26				* I IBIO
D2S1338	19	25			(2)	
D21S11	30.2	31				
D18S51	17	17				
D8S1179	13	14				

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D3S1358	14	15			
D6S1043	11	19			
PENTAE	5	5	. C	ENE	
D19S433	10	13	UBIC		
PENTAD	5	12			-E1
D1S1656	11	15			* IBIO

4. Conclusion: The STR results of <u>IMR-90</u> cells are consistent with the genotypes of <u>IMR-90</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>CCL-186</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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