STR Authentication Report For Cell Line

(B) UBIGENE

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1. Cell Name: MRC-5

- 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:

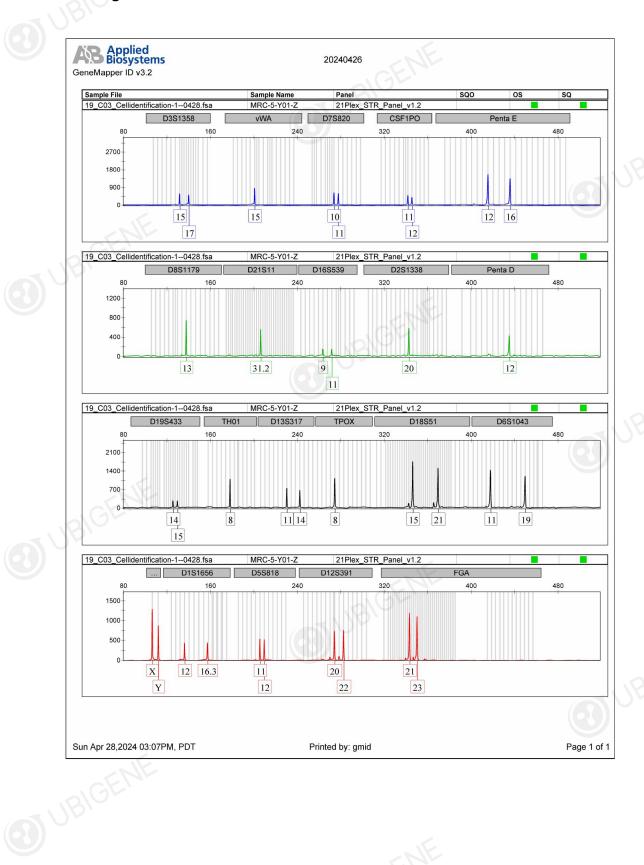
	Genotype	analysis resu	Its of STR and	Amelogenin l	oci in cells	
	STR profile for Sample cell Cell name: MRC-5			STR profile for Cell Bank cell Cell name: MRC-5		
STR Loci						
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12	- IBIC	11	12	
D13S317	11	14		11	14	
D7S820	10	11		10	11	, IBIGI
D16S539	9	11		9	11	
VWA	15	15		15	15	
TH01	8	8		8	8	
AMEL	Х	Υ		Х	Y	
TPOX	8	8		8	8	
CSF1PO	11	12	- IBIC	11	12	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of MRC-5 cells are consistent with the genotypes of MRC-5 cell lines in **DSMZ** database, the cell ID corresponded to **CCL-171**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

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5. Attached Image



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