STR Authentication Report For Cell Line

(B) UBIGENE

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1. Cell Name: GM12878

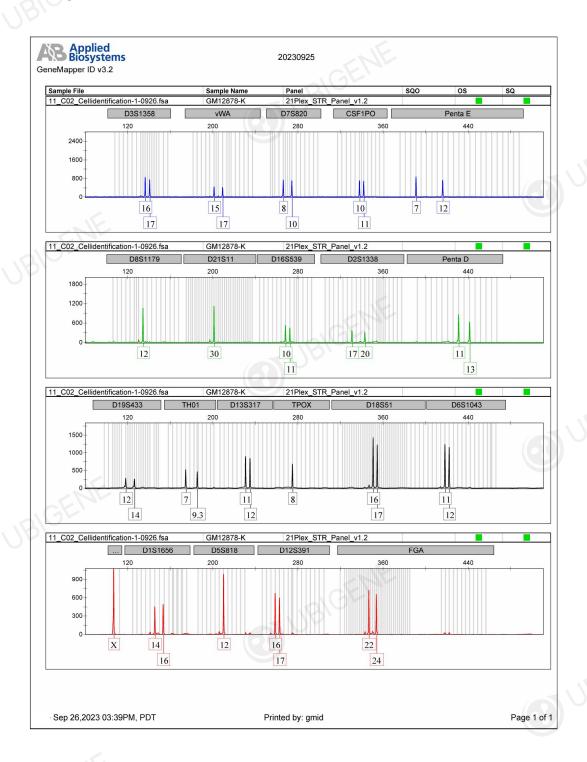
- 2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.
- 3. Sample gene genotype analysis result:

	Genotype	analysis resu	ılts of STR and	Amelogenin I	oci in cells	
	STR profile for Sample cell Cell name: GM12878-K			STR profile for Cell Bank cell Cell name: GM12878		
STR Loci						
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12	-11B/C	12	12	
D13S317	11	12		11	12	
D7S820	8	10		8	10	, IBIGI
D16S539	10	11		10	11	
VWA	15	17		15	17	
TH01	G 7	9.3		7	9.3	
AMEL	Х	Х		Х	Х	
TPOX	8	8		8	8	
CSF1PO	10	11	- IBIC	10	11	

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 **GM12878** cells are consistent with the genotypes of GM12878 cell lines in database, the cell ID corresponded to CVCL 7526, and the STR results completely matched. In the test, No multi allele was found, and there was no human source contamination in this cell line.

5. Attached Image



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