## STR Authentication Report For Cell Line

(B) UBIGENE

EU Toll free: 800 3272 9252

1. Cell Name: A549

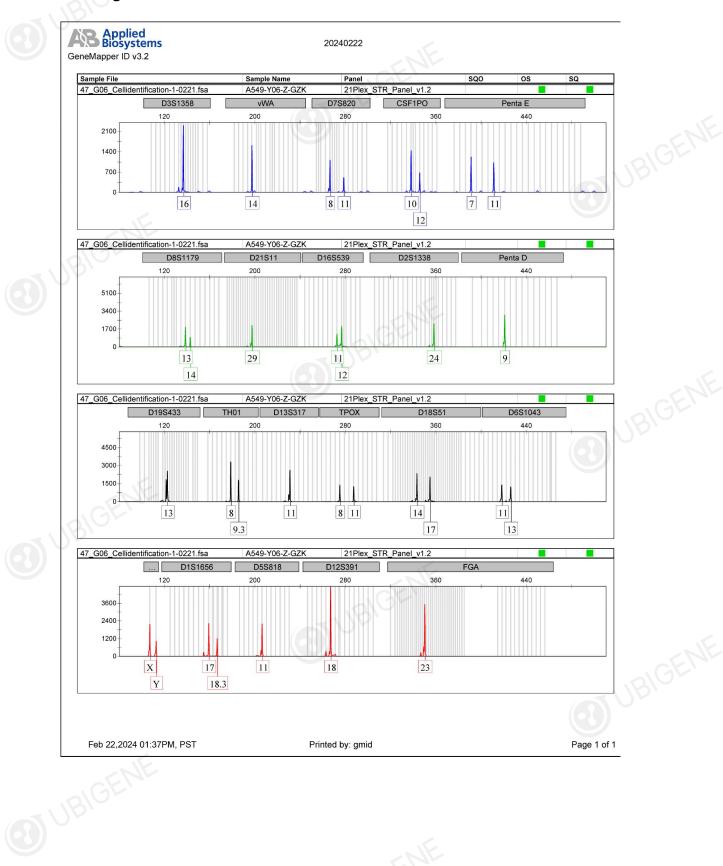
- 2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.
- 3. Sample gene genotype analysis result:

	the ABI 3730 ene genotype					
	Genotype	analysis resu	llts of STR and	Amelogenin l	oci in cells	
STR Loci	STR profile for Sample cell  Cell name: A549			STR profile for Cell Bank cell Cell name: A-549		
	D5S818	11	11	-11B/C	11	11
D13S317	11	11		11	11	
D7S820	8	11		8	11	181GF
D16S539	11	12		11	12	
VWA	14	14		14	14	
TH01	8	9.3		8	9.3	
AMEL	Х	Y		Х	Y	
TPOX	8	11		8	11	
CSF1PO	10	12	JUBIC	10	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 <u>A549</u> cells are consistent with the genotypes of <u>A549</u> cell lines in **DSMZ** database, the cell ID corresponded to **ACC-107**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image



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