## 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.

	the ABI 3730 ene genotype						
	Genotype	e analysis resu	ılts of STR and	Amelogenin l	oci in cells		
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell			
	Cell name: A549-Y06-Z-GZK			Cell name: A-549			
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3	
D5S818	11	11	-11B1C	11	11		
D13S317	11	11		11	11		
D7S820	8	11		8	11	IBIGE,	
D16S539	11	12		11	12		
VWA	14	14		14	14		
TH01	8	9.3		8	9.3		
AMEL	Х	Υ		Х	Y		
TPOX	8	11		8	11		
CSF1PO	10	12	UBIC	10	12		
D12S391	18	18				-51	
FGA	23	23				-11B10-	
D2S1338	24	24					
D21S11	29	29					
D18S51	14	17					
D8S1179	13	14					
D3S1358	16	16		CNE			
D6S1043	11	13	-11810				

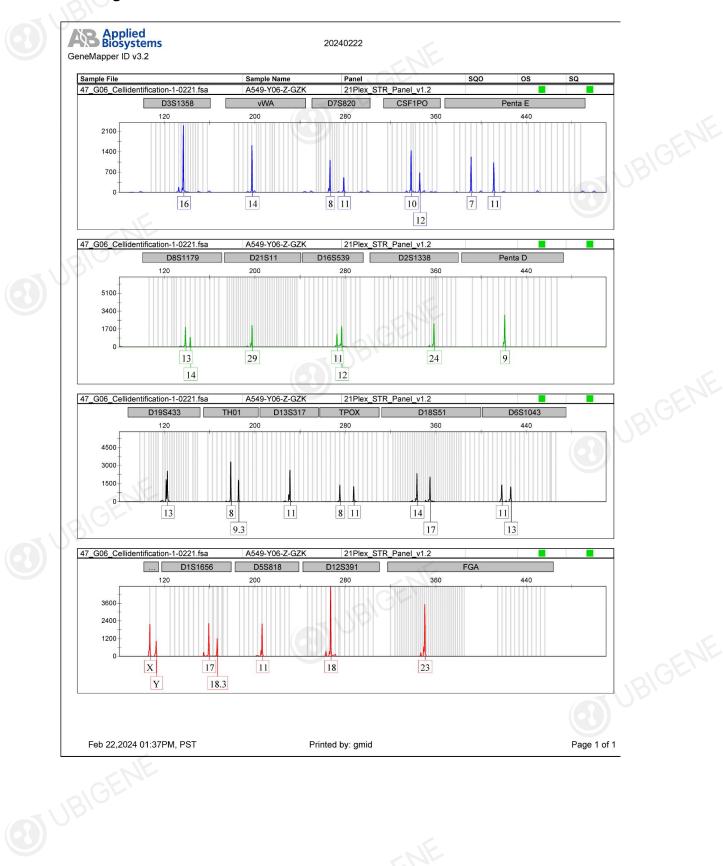
PENTAE	GE 7	11			
D19S433	13	13			
PENTAD	9	9		ENE	
D1S1656	17	18.3	UBIC		

4. Conclusion: The STR results of <u>A549</u> cells are consistent with the genotypes of <u>A549</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>ACC-107</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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