STR Authentication Report For Cell Line

1. Cell Name: LP-1

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:

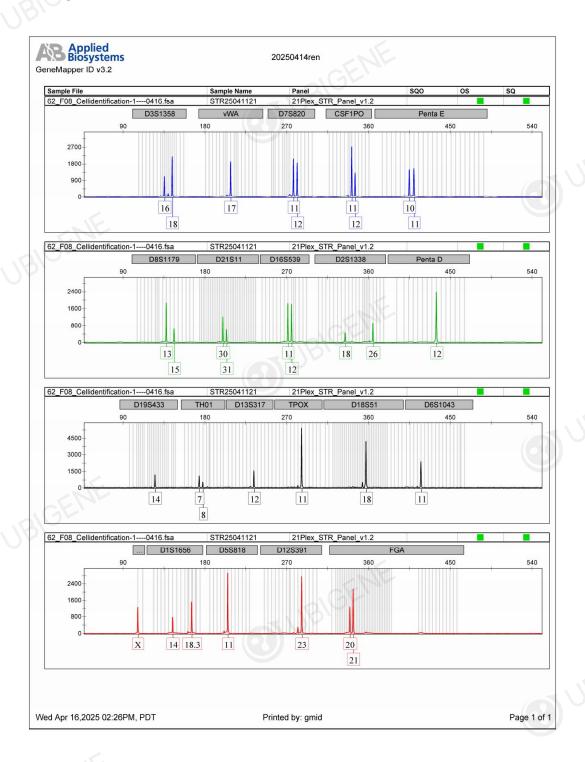|	Genotype analysis results of STR and Amelogenin loci in cells					
	STR profile for Sample cell			STR profile for Cell Bank cell		
STR Loci	Cell name: STR25041121			Cell name: LP-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	12	12		12	12	
D7S820	11	12		11	12	
D16S539	11	12		11	12	
VWA	17	17		17	17	
TH01	7	8		7	8	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	11	12		11	12	
D12S391	23	23				
FGA	20	21				
D2S1338	18	26				
D21S11	30	31				
D18S51	18	18				
D8S1179	13	15				
D3S1358	16	18				
D6S1043	11	11				

PENTAE	10	11				
D19S433	14	14				
PENTAD	12	12				
D1S1656	14	18.3				

4. Conclusion: The STR results of **LP-1** cells are consistent with the genotypes of **LP-1** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-41** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.