

STR Authentication Report For Cell Line

1. Cell Name: LAMA-84

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 Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: STR25032705			Cell name: LAMA-84		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	12		11	12	
D7S820	11	11		11	11	
D16S539	11	11		11	11	
VWA	14	17		14	17	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	10	11		10	10	
CSF1PO	11	12		11	12	
D12S391	18	24				
FGA	21	22				
D2S1338	17	17				
D21S11	29	30	31.0			
D18S51	13	13				
D8S1179	10	15				
D3S1358	14	17				
D6S1043	10	20				

PENTAE	7	7				
D19S433	13	13				
PENTAD	10	10				
D1S1656	15	15.3				

4. Conclusion: The STR results of **LAMA-84** cells are consistent with the genotypes of **LAMA-84** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 0388**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

