

STR Authentication Report For Cell Line

1. Cell Name: HCCLM3

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: HCCLM3			Cell name: HCC-LM3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	8	8		8	11.3	
D7S820	10	10		10	10	
D16S539	12	12		12	12	
VWA	14	14		14	14	
TH01	9	9		9	9	
AMEL	X	Y		X	Y	
TPOX	8	8		8	8	
CSF1PO	11	13		11	13	
D12S391	18	18				
FGA	21	24				
D2S1338	20	20				
D21S11	31.2	31.2				
D18S51	13	22				
D8S1179	12	13				

D3S1358	15	16				
D6S1043	12	20				
PENTAE	11	17				
D19S433	13	14				
PENTAD	8	9				
D1S1656	11	16				

4. Conclusion: The STR results of **HCCLM3** cells are consistent with the genotypes of **HCC-LM3** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_6832** , and the STR results **basically matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

