

STR Authentication Report For Cell Line

1. Cell Name: HBL-100

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: HBL-100			Cell name: HBL-100		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	12	12		12	12	
D7S820	8	12		8	12	
D16S539	9	12		9	12	
VWA	16	16		16	16	
TH01	6	8		6	8	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	10		10	10	
D12S391	18	18				
FGA	25	25				
D2S1338	18	24				
D21S11	28	29	30.0			
D18S51	16	16				
D8S1179	12	15				

D3S1358	14	16				
D6S1043	12	14				
PENTAE	7	7				
D19S433	15	15				
PENTAD	12	12				
D1S1656	12	16.3				

4. Conclusion: The STR results of **HBL-100** cells are consistent with the genotypes of **HBL-100** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_4362Best** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

