

STR Authentication Report For Cell Line

1. Cell Name: HMC3

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: HMC3-Y01-N			Cell name: HMC3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	9	11		9	11	
D16S539	12	13		12	13	
VWA	17	19		17	19	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	11		10	11	
D12S391	16	21				
FGA	21	25				
D2S1338	17	25				
D21S11	30	31.2				
D18S51	18	18				
D8S1179	13	14				
D3S1358	16	18				
D6S1043	11	11				

PENTAE	7	13				
D19S433	15	15.2				
PENTAD	10	14				
D1S1656	12	13				

4. Conclusion: The STR results of **HMC3** cells are consistent with the genotypes of **HMC3** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL II76** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

