

STR Authentication Report For Cell Line

1. Cell Name: HCMEC/D3
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: HCMEC/D3			Cell name: hCMEC/D3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	11	14		11	14	
D7S820	10	12		10	12	
D16S539	9	12		9	12	
VWA	14	17		14	17	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	10	11		10	11	
CSF1PO	10	12		10	12	

4. Conclusion: The STR results of **HCMEC/D3** cells are consistent with the genotypes of cell lines in database, the cell ID corresponded to , and the STR results **basically matched**. In the test, **None** in this cell line.