

STR Authentication Report For Cell Line

1. Cell Name: OCUM-1

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: STR25031428			Cell name: OCUM-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	9	10		9	10	
D13S317	10	11		10	11	
D7S820	12	12		12	12	
D16S539	11	11		11	11	
VWA	14	17		14	17	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	12		10	12	
D12S391	18	21				
FGA	19	23				
D2S1338	18	27				
D21S11	30	30				
D18S51	12	13				
D8S1179	11	12				
D3S1358	17	17				
D6S1043	12	15				

PENTAE	12	19				
D19S433	13	15.2				
PENTAD	12	13				
D1S1656	16.3	17.3				

4. Conclusion: The STR results of **OCUM-1** cells are consistent with the genotypes of **OCUM-1** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_3084**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

