

STR Authentication Report For Cell Line

1. Cell Name: OE33

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: STR25032709			Cell name: OE33		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	14	14		14	14	
D7S820	9	10		9	10	
D16S539	12	12		12	12	
VWA	17	17		17	17	
TH01	7	8		7	8	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	11		10	11	
D12S391	21	21				
FGA	23	23				
D2S1338	17	20				
D21S11	29	31.2				
D18S51	12	12				
D8S1179	10	11	12.0			

D3S1358	18	18				
D6S1043	13	13				
PENTAE	12	18				
D19S433	12	15	16.0			
PENTAD	9	11				
D1S1656	12	15	16.3			

4. Conclusion: The STR results of **OE33** cells are consistent with the genotypes of **OE33** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_0471** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

