

## STR Authentication Report For Cell Line

1. Cell Name: OE19

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: STR25032015			Cell name: OE19		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	14		11	14	
D13S317	9	11		9	11	
D7S820	8	8		8	8	
D16S539	12	13		12	13	
VWA	16	17	18.0	16	17	18.0
TH01	8	9		8	9	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	13		11	13	
D12S391	20	20				
FGA	23	26				
D2S1338	18	19				
D21S11	30	30				
D18S51	12	12				
D8S1179	13	15				
D3S1358	15	18				
D6S1043	19	19				

PENTAE	5	8				
D19S433	13	13				
PENTAD	9	9				
D1S1656	11	16				

4. Conclusion: The STR results of **OE19** cells are consistent with the genotypes of **OE19** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 1622** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

