

## 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

