

## STR Authentication Report For Cell Line

1. Cell Name: 293T
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: 293T             |         |         | Cell name: HEK293T             |         |         |
|   | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818  | 8                           | 9       |         | 8                              | 9       |         |
| D13S317   | 12                          | 12      |         | 12                             | 12      |         |
| D7S820  | 11                          | 11      |         | 11                             | 11      |         |
| D16S539   | 9                           | 13      |         | 9                              | 13      |         |
| VWA   | 16                          | 19      |         | 16                             | 19      |         |
| TH01  | 7                           | 9.3     |         | 7                              | 9.3     |         |
| AMEL  | X                           | X       |         | X                              | X       |         |
| TPOX  | 11                          | 11      |         | 11                             | 11      |         |
| CSF1PO  | 11                          | 12      |         | 11                             | 12      |         |

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **293T** cells are consistent with the genotypes of **293T** cell lines in **DSMZ** database, the cell ID corresponded to **CVCL\_0063Best**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

