

## STR Authentication Report For Cell Line

1. Cell Name: SW480

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:

| <b>Genotype analysis results of STR and Amelogenin loci in cells</b> |                             |         |         |                                |         |         |
|--|-----------------------------|---------|---------|--------------------------------|---------|---------|
| STR Loci   | STR profile for Sample cell |         |         | STR profile for Cell Bank cell |         |         |
|  | Cell name: Sw480-k          |         |         | Cell name: SW-480              |         |         |
|  | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818   | 13                          | 13      |         | 13                             | 13      |         |
| D13S317  | 12                          | 12      |         | 12                             | 12      |         |
| D7S820   | 8                           | 8       |         | 8                              | 8       |         |
| D16S539  | 13                          | 13      |         | 13                             | 13      |         |
| VWA  | 16                          | 16      |         | 16                             | 16      |         |
| TH01   | 8                           | 8       |         | 8                              | 8       |         |
| AMEL   | X                           | X       |         | X                              | X       |         |
| TPOX   | 11                          | 11      |         | 11                             | 11      |         |
| CSF1PO   | 13                          | 14      |         | 13                             | 14      |         |
| D12S391  | 17                          | 17      |         |                                |         |         |
| FGA  | 24                          | 24      |         |                                |         |         |
| D2S1338  | 17                          | 24      |         |                                |         |         |
| D21S11   | 30                          | 30.2    |         |                                |         |         |
| D18S51   | 13                          | 13      |         |                                |         |         |
| D8S1179  | 13                          | 13      |         |                                |         |         |
| D3S1358  | 15                          | 15      |         |                                |         |         |
| D6S1043  | 11                          | 12      |         |                                |         |         |

|         |    |    |  |  |  |  |
|---------|----|----|--|--|--|--|
| PENTAE  | 10 | 10 |  |  |  |  |
| D19S433 | 13 | 13 |  |  |  |  |
| PENTAD  | 9  | 15 |  |  |  |  |
| D1S1656 | 13 | 14 |  |  |  |  |

4. Conclusion: The STR results of **SW480** cells are consistent with the genotypes of **SW480** cell lines in **DSMZ** database, the cell ID corresponded to **313** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

