

## STR Authentication Report For Cell Line

1. Cell Name: A2780

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: STR25012012      |         |         | Cell name: A2780               |         |         |
|   | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818  | 10                          | 13      |         | 11                             | 12      |         |
| D13S317   | 12                          | 13      |         | 12                             | 13      |         |
| D7S820  | 10                          | 10      |         | 10                             | 10      |         |
| D16S539   | 11                          | 13      |         | 11                             | 13      |         |
| VWA   | 15                          | 16      |         | 15                             | 16      |         |
| TH01  | 6                           | 6       |         | 6                              | 6       |         |
| AMEL  | X                           | X       |         | X                              | X       |         |
| TPOX  | 8                           | 10      |         | 8                              | 10      |         |
| CSF1PO  | 10                          | 11      |         | 10                             | 11      |         |
| D12S391   | 19                          | 20      |         |                                |         |         |
| FGA   | 19                          | 24      |         |                                |         |         |
| D2S1338   | 21                          | 22      |         |                                |         |         |
| D21S11  | 28                          | 29      |         |                                |         |         |
| D18S51  | 17                          | 17      |         |                                |         |         |
| D8S1179   | 15                          | 17      |         |                                |         |         |

|         |    |    |      |  |  |  |
|---------|----|----|------|--|--|--|
| D3S1358 | 14 | 16 |      |  |  |  |
| D6S1043 | 11 | 17 |      |  |  |  |
| PENTAE  | 10 | 13 |      |  |  |  |
| D19S433 | 12 | 12 |      |  |  |  |
| PENTAD  | 8  | 9  |      |  |  |  |
| D1S1656 | 12 | 13 | 15.0 |  |  |  |

4. Conclusion: The STR results of **A2780** cells are consistent with the genotypes of **A2780** cell lines in **DSMZ** database, the cell ID corresponded to **HPACC** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

