

## STR Authentication Report For Cell Line

1. Cell Name: BT-B

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: STR25031413      |         |         | Cell name: BT-B                |         |         |
|  | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818   | 11                          | 12      |         | 11                             | 12      |         |
| D13S317  | 13.3                        | 13.3    |         | 13.3                           | 13.3    |         |
| D7S820   | 8                           | 12      |         | 8                              | 12      |         |
| D16S539  | 9                           | 10      |         | 9                              | 10      |         |
| VWA  | 16                          | 18      |         | 16                             | 18      |         |
| TH01   | 7                           | 7       |         | 7                              | 7       |         |
| AMEL   | X                           | X       |         | X                              | X       |         |
| TPOX   | 8                           | 12      |         | 8                              | 12      |         |
| CSF1PO   | 9                           | 10      |         | 9                              | 10      |         |
| D12S391  | 20                          | 25      |         |                                |         |         |
| FGA  | 18                          | 21      |         |                                |         |         |
| D2S1338  | 17                          | 17      |         |                                |         |         |
| D21S11   | 27                          | 28      |         |                                |         |         |
| D18S51   | 16                          | 16      |         |                                |         |         |
| D8S1179  | 12                          | 13      |         |                                |         |         |
| D3S1358  | 15                          | 18      |         |                                |         |         |
| D6S1043  | 18                          | 18      |         |                                |         |         |

|         |    |    |  |  |  |  |
|---------|----|----|--|--|--|--|
| PENTAE  | 7  | 14 |  |  |  |  |
| D19S433 | 13 | 14 |  |  |  |  |
| PENTAD  | 8  | 15 |  |  |  |  |
| D1S1656 | 12 | 15 |  |  |  |  |

4. Conclusion: The STR results of **BT-B** cells are consistent with the genotypes of **BT-B** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-227** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

