

## STR Authentication Report For Cell Line

1. Cell Name: SU-DHL-8

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: SU-DHL-8         |         |         | Cell name: SU-DHL-8            |         |         |
|   | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818  | 11                          | 13      |         | 11                             | 13      |         |
| D13S317   | 11                          | 13      |         | 11                             | 13      |         |
| D7S820  | 8                           | 8       |         | 8                              | 8       |         |
| D16S539   | 12                          | 12      |         | 12                             | 12      |         |
| VWA   | 15                          | 19      |         | 15                             | 19      |         |
| TH01  | 6                           | 9       |         | 6                              | 9       |         |
| AMEL  | X                           | X       |         | X                              | X       |         |
| TPOX  | 8                           | 8       |         | 8                              | 8       |         |
| CSF1PO  | 11                          | 12      |         | 11                             | 12      |         |
| D12S391   | 17                          | 21      |         |                                |         |         |
| FGA   | 25                          | 25      |         |                                |         |         |
| D2S1338   | 17                          | 20      |         |                                |         |         |
| D21S11  | 30                          | 31.2    |         |                                |         |         |
| D18S51  | 14                          | 19      |         |                                |         |         |
| D8S1179   | 13                          | 13      |         |                                |         |         |

|         |    |      |  |  |  |  |
|---------|----|------|--|--|--|--|
| D3S1358 | 14 | 15   |  |  |  |  |
| D6S1043 | 10 | 11   |  |  |  |  |
| PENTAE  | 14 | 17   |  |  |  |  |
| D19S433 | 13 | 13   |  |  |  |  |
| PENTAD  | 11 | 12   |  |  |  |  |
| D1S1656 | 14 | 17.3 |  |  |  |  |

4. Conclusion: The STR results of **SU-DHL-8** cells are consistent with the genotypes of **SU-DHL-8** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-573** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

