

## STR Authentication Report For Cell Line

1. Cell Name: NCI-H358

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: NCI-H358         |         |         | Cell name: NCI-H358 [H-358, H358] |         |         |
|   | Allele1                     | Allele2 | Allele3 | Allele1                           | Allele2 | Allele3 |
| D5S818  | 10                          | 12      |         | 10                                | 12      |         |
| D13S317   | 8                           | 12      |         | 8                                 | 12      |         |
| D7S820  | 10                          | 11      |         | 10                                | 11      |         |
| D16S539   | 12                          | 13      |         | 12                                | 13      |         |
| VWA   | 17                          | 17      |         | 17                                | 17      |         |
| TH01  | 6                           | 6       |         | 6                                 | 6       |         |
| AMEL  | X                           | Y       |         | X                                 | Y       |         |
| TPOX  | 8                           | 9       |         | 8                                 | 9       |         |
| CSF1PO  | 11                          | 12      |         | 11                                | 12      |         |
| D12S391   | 20                          | 22      |         |                                   |         |         |
| FGA   | 20                          | 21      |         |                                   |         |         |
| D2S1338   | 17                          | 23      |         |                                   |         |         |
| D21S11  | 28                          | 29      | 30.0    |                                   |         |         |
| D18S51  | 14                          | 16      |         |                                   |         |         |
| D8S1179   | 13                          | 14      |         |                                   |         |         |

|         |    |      |  |  |  |  |
|---------|----|------|--|--|--|--|
| D3S1358 | 14 | 18   |  |  |  |  |
| D6S1043 | 11 | 14   |  |  |  |  |
| PENTAE  | 18 | 18   |  |  |  |  |
| D19S433 | 13 | 14   |  |  |  |  |
| PENTAD  | 10 | 13   |  |  |  |  |
| D1S1656 | 15 | 15.3 |  |  |  |  |

4. Conclusion: The STR results of **NCI-H358** cells are consistent with the genotypes of **NCI-H358** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5807**, and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

