

## STR Authentication Report For Cell Line

1. Cell Name: NCI-H508

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: STR26020502      |         |         | Cell name: NCI-H508            |         |         |
|                                                               | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818                                                        | 12                          | 12      |         | 12                             | 12      |         |
| D13S317                                                       | 8                           | 12      |         | 8                              | 12      |         |
| D7S820                                                        | 8                           | 12      |         | 8                              | 12      |         |
| D16S539                                                       | 12                          | 12      |         | 12                             | 12      |         |
| VWA                                                           | 15                          | 16      |         | 15                             | 16      |         |
| TH01                                                          | 9                           | 9.3     |         | 9                              | 9.3     |         |
| AMEL                                                          | X                           | X       |         | X                              | X       |         |
| TPOX                                                          | 8                           | 11      |         | 8                              | 11      |         |
| CSF1PO                                                        | 11                          | 12      |         | 11                             | 12      |         |
| D12S391                                                       | 18                          | 20      |         |                                |         |         |
| FGA                                                           | 24                          | 25      |         |                                |         |         |
| D2S1338                                                       | 18                          | 19      | 27.0    |                                |         |         |
| D21S11                                                        | 29                          | 32.2    |         |                                |         |         |
| D18S51                                                        | 18                          | 18      |         |                                |         |         |
| D8S1179                                                       | 12                          | 12      |         |                                |         |         |

|         |    |      |  |  |  |  |
|---------|----|------|--|--|--|--|
| D3S1358 | 14 | 17   |  |  |  |  |
| D6S1043 | 12 | 12   |  |  |  |  |
| PENTAE  | 10 | 12   |  |  |  |  |
| D19S433 | 14 | 14   |  |  |  |  |
| PENTAD  | 12 | 12   |  |  |  |  |
| D1S1656 | 14 | 18.3 |  |  |  |  |

4. Conclusion: The STR results of **NCI-H508** cells are consistent with the genotypes of **NCI-H508** cell lines in **DSMZ** database, the cell ID corresponded to **CVCL\_1564**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

