

## STR Authentication Report For Cell Line

1. Cell Name: HCC1143
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: HCC1143-Y01-E    |         |         | Cell name: HCC-1143            |         |         |
|  | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818   | 11                          | 11      |         | 11                             | 11      |         |
| D13S317  | 12                          | 12      |         | 12                             | 12      |         |
| D7S820   | 12                          | 12      |         | 12                             | 12      |         |
| D16S539  | 11                          | 13      |         | 11                             | 13      |         |
| VWA  | 16                          | 16      |         | 16                             | 16      |         |
| TH01   | 9.3                         | 9.3     |         | 9.3                            | 9.3     |         |
| AMEL   | X                           | X       |         | X                              | X       |         |
| TPOX   | 12                          | 12      |         | 12                             | 12      |         |
| CSF1PO   | 10                          | 10      |         | 10                             | 10      |         |
| D12S391  | 21                          | 21      |         |                                |         |         |
| FGA  | 21                          | 21      |         |                                |         |         |
| D2S1338  | 20                          | 23      |         |                                |         |         |
| D21S11   | 30.2                        | 30.2    |         |                                |         |         |
| D18S51   | 14                          | 17      |         |                                |         |         |
| D8S1179  | 13                          | 13      |         |                                |         |         |
| D3S1358  | 16                          | 16      |         |                                |         |         |
| D6S1043  | 11                          | 11      |         |                                |         |         |

|         |    |      |  |  |  |  |
|---------|----|------|--|--|--|--|
| PENTAE  | 10 | 10   |  |  |  |  |
| D19S433 | 13 | 16.2 |  |  |  |  |
| PENTAD  | 8  | 8    |  |  |  |  |
| D1S1656 | 13 | 13   |  |  |  |  |

4. Conclusion: The STR results of **HCC1143** cells are consistent with the genotypes of **HCC1143** cell lines in **DSMZ** database, the cell ID corresponded to **517** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

