

## STR Authentication Report For Cell Line

1. Cell Name: SU-DHL-4
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-4         |         |         | Cell name: SU-DHL-4            |         |         |
|   | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818  | 11                          | 12      |         | 11                             | 12      |         |
| D13S317   | 11                          | 12      |         | 11                             | 12      |         |
| D7S820  | 8                           | 11      |         | 8                              | 11      |         |
| D16S539   | 11                          | 13      |         | 11                             | 13      |         |
| VWA   | 18                          | 19      |         | 18                             | 19      |         |
| TH01  | 6                           | 9.3     |         | 6                              | 9.3     |         |
| AMEL  | X                           | Y       |         | X                              | Y       |         |
| TPOX  | 9                           | 11      |         | 9                              | 11      |         |
| CSF1PO  | 12                          | 12      |         | 12                             | 12      |         |

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **SU-DHL-4** cells are consistent with the genotypes of **SU-DHL-4** cell lines in **DSMZ** database, the cell ID corresponded to **495** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

