(1) UBIGER

## (1) UBIGENE **STR Authentication Report For Cell Line**

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1. Cell Name: TCCSUP

- 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. JUBIGEN
- 3. Sample gene genotype analysis result:

|          | Genotype  | analysis resu | ılts of STR and | Amelogenin l                   | oci in cells |         |
|----------|---|---------------|-----------------|--------------------------------|--------------|---------|
| STR Loci | STR profile for Sample cell  Cell name: STR25022008 |               |                 | STR profile for Cell Bank cell |              |         |
|          |   |               |                 | Cell name: TCCSUP              |              |         |
|          | Allele1   | Allele2       | Allele3         | Allele1                        | Allele2      | Allele3 |
| D5S818   | 12  | 12            | NBIC            | 12                             | 12           |         |
| D13S317  | 11  | 14            |                 | 11                             | 14           |         |
| D7S820   | 8   | 9             |                 | 8                              | 9            | - IBIGE |
| D16S539  | 9   | 11            |                 | 9                              | 11           |         |
| VWA      | 14  | 16            |                 | 14                             | 16           |         |
| TH01     | 6   | 9.3           |                 | 6                              | 9.3          |         |
| AMEL     | Х   | Х             |                 | Х                              | Х            |         |
| TPOX     | 8   | 8             |                 | 8                              | 8            |         |
| CSF1PO   | 10  | 10            | UBIC            | 10                             | 10           |         |
| D12S391  | 18  | 20            |                 |                                |              | aE'     |
| FGA      | 21  | 21            |                 |                                |              | NIBION  |
| D2S1338  | 17  | 17            |                 |                                |              |         |
| D21S11   | 27  | 31.2          |                 |                                |              |         |
| D18S51   | 15  | 15            |                 |                                |              |         |
| D8S1179  | 13  | 13            |                 |                                |              |         |

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| D3S1358 | 15 | 16   |      |     |        |
|---------|----|------|------|-----|--------|
| D6S1043 | 12 | 12   |      |     |        |
| PENTAE  | 12 | 14   | . C  | ENE |        |
| D19S433 | 14 | 14   | UBIC | ,   |        |
| PENTAD  | 9  | 11   |      |     | -51    |
| D1S1656 | 12 | 16.3 |      |     | - IBIG |

4. Conclusion: The STR results of <u>TCCSUP</u> cells are consistent with the genotypes of <u>TCCSUP</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>HTB-5</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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## 5. Attached Image



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