(1) UBIGER

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

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1. Cell Name: WM-115

- 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 results of STR and Amelogenin loci in cells | | | | | | | | |
|---|---|---------|---------|--|---------|---------|--|--|
| .0 | STR profile for Sample cell Cell name: STR25032021 | | | STR profile for Cell Bank cell Cell name: WM-115 | | | | |
| STR Loci | | | | | | | | |
| | Allele1 | Allele2 | Allele3 | Allele1 | Allele2 | Allele3 | | |
| D5S818 | 13 | 13 | JUBIC | 13 | 13 | | | |
| D13S317 | 12 | 13 | | 12 | 13 | | | |
| D7S820 | 8 | 8 | | 8 | 8 | IBIGE | | |
| D16S539 | 11 | 12 | | 11 | 12 | | | |
| VWA | 15 | 17 | | 15 | 17 | | | |
| TH01 | G 7 | 9 | | 7 | 9 | | | |
| AMEL | X | Х | | Х | Х | | | |
| ТРОХ | 8 | 11 | | 8 | 11 | | | |
| CSF1PO | 12 | 12 | NBIC | 12 | 12 | | | |
| D12S391 | 18 | 20 | | | | ~E | | |
| FGA | 21 | 23 | | | | 11BIO | | |
| D2S1338 | 19 | 19 | | | (1) | | | |
| D21S11 | 29 | 29 | | | | | | |
| D18S51 | 15 | 17 | | | | | | |
| D8S1179 | 13 | 15 | | | | | | |

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| D3S1358 | 15 | 18 | | | |
|---------|----|------|------|-----|--------|
| D6S1043 | 18 | 19 | | | |
| PENTAE | 5 | 7 | . C | ENE | |
| D19S433 | 13 | 13 | UBIC | | |
| PENTAD | 10 | 15 | | | -E1 |
| D1S1656 | 15 | 16.3 | | | * IBIO |

4. Conclusion: The STR results of <u>WM-115</u> cells are consistent with the genotypes of <u>WM-115</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>HPACC</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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