(1) UBIGER

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

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1. Cell Name: KHM-5M

- 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 | ults of STR and | Amelogenin l | oci in cells | | |
|----------|---|---------------|-----------------|--|--------------|----------|--|
| STR Loci | STR profile for Sample cell Cell name: STR25032711 | | | STR profile for Cell Bank cell Cell name: KHM-5M | | | |
| | | | | | | | |
| | D5S818 | 12 | 12 | NBIC | 12 | 12 | |
| D13S317 | 8 | 11 | | 8 | 11 | | |
| D7S820 | 10 | 11 | | 10 | 11 | - IBIGE | |
| D16S539 | 9 | 10 | | 9 | 10 | | |
| VWA | 18 | 18 | | 18 | 18 | | |
| TH01 | G 7 | 7 | | 7 | 7 | | |
| AMEL | Х | Y | | Х | Y | | |
| TPOX | 8 | 8 | | 8 | 8 | | |
| CSF1PO | 12 | 13 | ANBIG | 12 | 13 | | |
| D12S391 | 18 | 21 | | | | CE! | |
| FGA | 22 | 23 | | | | * IJBIOL | |
| D2S1338 | 19 | 23 | | | (2) | | |
| D21S11 | 28 | 31 | | | | | |
| D18S51 | 16 | 19 | | | | | |
| D8S1179 | 13 | 13 | | | | | |

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| D3S1358 | 15 | 15 | | | |
|---------|----|----|------|-----|--------|
| D6S1043 | 13 | 19 | | | |
| PENTAE | 11 | 18 | . C | ENE | |
| D19S433 | 14 | 14 | UBIC | | |
| PENTAD | 9 | 11 | | | -E1 |
| D1S1656 | 17 | 17 | | | - IBIO |

4. Conclusion: The STR results of <u>KHM-5M</u> cells are consistent with the genotypes of <u>KHM-5M</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL_2975</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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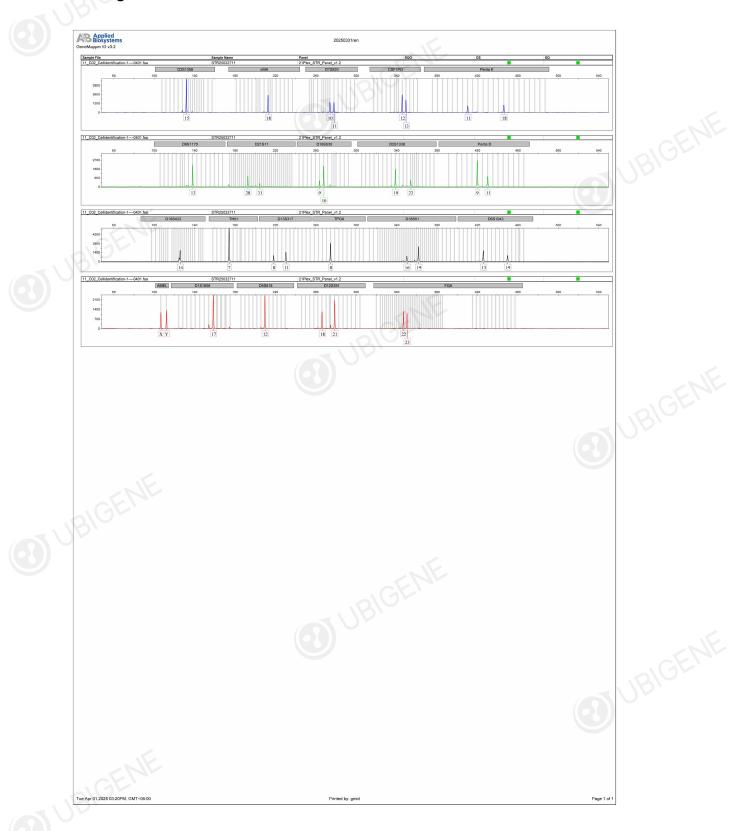
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5. Attached Image



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