(1) UBIGER

STR Authentication Report For Cell Line

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1. Cell Name: NCI-H727

- 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 | | | | | | | | |
|---|--|-----|------|---|----|---------|--|---------|
| STR Loci | STR profile for Sample cell Cell name: NCI-H727 | | | STR profile for Cell Bank cell Cell name: NCI-H727 [H727] | | | | |
| | | | | | | | | Allele1 |
| | D5S818 | 10 | 11 | 12.0 | 11 | 12 | | |
| D13S317 | 11 | 11 | | 11 | 11 | -51 | | |
| D7S820 | 8 | 10 | | 8 | 10 | - IBIGE | | |
| D16S539 | 9 | 11 | 13.0 | 11 | 13 | | | |
| VWA | 14 | 15 | | 14 | 15 | | | |
| TH01 | 8 | 9.3 | | 8 | 8 | | | |
| AMEL | Х | Х | | Х | Х | | | |
| TPOX | 8 | 8 | | 8 | 8 | | | |
| CSF1PO | 11 | 12 | UBIC | 11 | 12 | | | |
| D12S391 | 20 | 24 | | | | a E | | |
| FGA | 20 | 22 | | | | NIBION | | |
| D2S1338 | 17 | 24 | | | | | | |
| D21S11 | 29 | 30 | 32.2 | | | | | |
| D18S51 | 16 | 16 | | | | | | |
| D8S1179 | 10 | 12 | 14.0 | | | | | |

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| D3S1358 | 15 | 16 | | | |
|---------|----|----|------|-----|--------|
| D6S1043 | 12 | 17 | | | |
| PENTAE | 5 | 14 | . C | ENE | |
| D19S433 | 13 | 14 | UBIC | | |
| PENTAD | 9 | 14 | | | 251 |
| D1S1656 | 11 | 14 | | | - IBIO |

4. Conclusion: The STR results of NCI-H727 cells are consistent with the genotypes of NCI-H727 cell lines in DSMZ database, the cell ID corresponded to CRL-5815, and the STR results basically matched. In the test, Multi allele was found in this cell line.

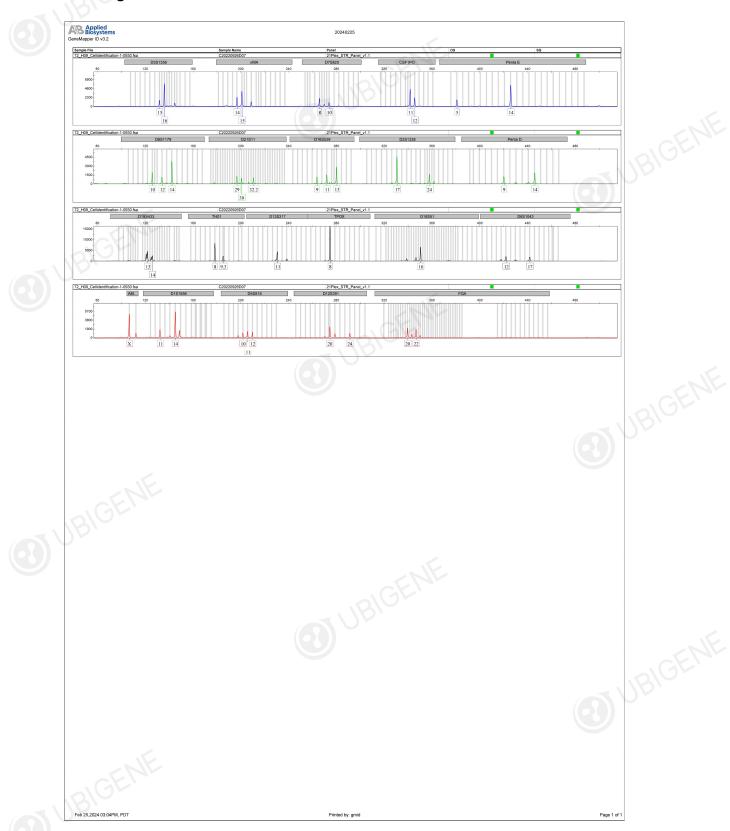
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5. Attached Image



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