(1) UBIGER

STR Authentication Report For Cell Line

Tel: +86 153 6067 3248(Int'l) US Toll free: 855 777 3210 EU Toll free: 800 3272 9252

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1. Cell Name: MDA-MB-231

- 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: MDA-MB-231 | | | STR profile for Cell Bank cell Cell name: MDA-MB-231 | | | | |
| | | | | | | | | Allele1 |
| | D5S818 | 12 | 12 | JUBIC | 12 | 12 | | |
| D13S317 | 13 | 13 | | 13 | 13 | | | |
| D7S820 | 8 | 9 | | 8 | 9 | I BIGE | | |
| D16S539 | 12 | 12 | | 12 | 12 | | | |
| VWA | 15 | 18 | | 15 | 18 | | | |
| TH01 | GF7 | 9.3 | | 7 | 9.3 | | | |
| AMEL | Х | Х | | Х | Х | | | |
| TPOX | 8 | 9 | .0 | 8 | 9 | | | |
| CSF1PO | 12 | 13 | UNBIC | 12 | 13 | | | |
| D12S391 | 17 | 18 | | | | a E l | | |
| FGA | 22 | 23 | | | | NBIGE | | |
| D2S1338 | 20 | 21 | | | | | | |
| D21S11 | 33.2 | 33.2 | | | | | | |
| D18S51 | GE 11 | 16 | | | | | | |
| D8S1179 | 13 | 13 | | | | | | |

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| D3S1358 | 16 | 16 | | | |
|---------|----|----|------|-----|--------|
| D6S1043 | 18 | 18 | | | |
| PENTAE | 11 | 11 | . C | ENE | |
| D19S433 | 11 | 14 | UBIC | | |
| PENTAD | 11 | 14 | | | 730 |
| D1S1656 | 15 | 17 | | | * IBIO |

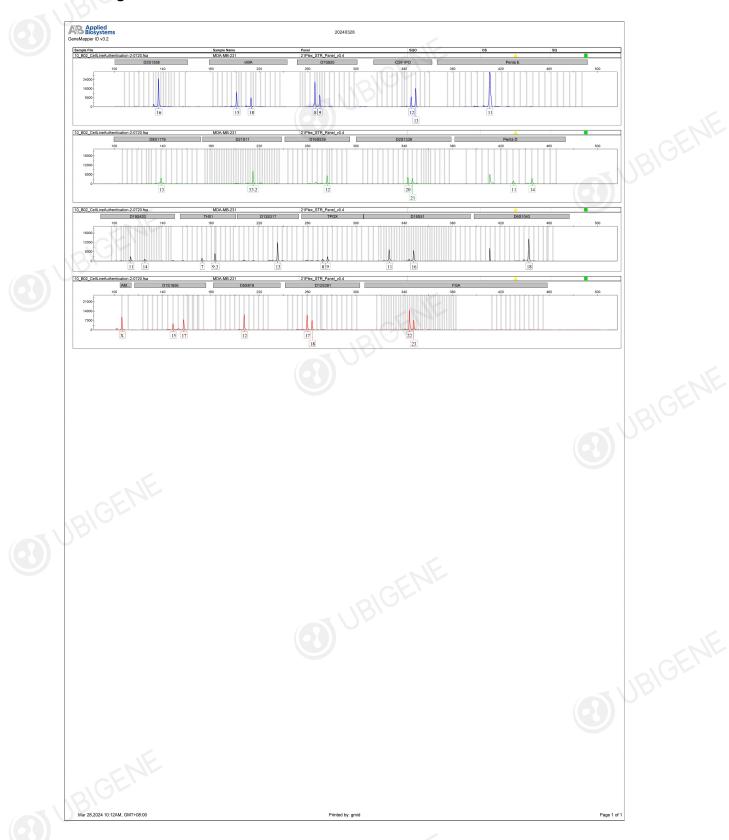
4. Conclusion: The STR results of <u>MDA-MB-231</u> cells are consistent with the genotypes of <u>MDA-MB-231</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>732</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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5. Attached Image



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Online Inquiry

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