# Cell Line Authentication Report


Institution：Cobioer Biosciences CO.,LTD

Customer：Taohua Jiang

Tel：025-86880024

Email：jiangtaohua@cobioer.com

Vendor：Cobioer Biosciences CO.,LTD

Attention：Taohua Jiang

Tel：025-86880024

Email：jiangtaohua@cobioer.com


科佰生物Cobioer

## 1. Sample information:

Sample No.: “Panc 10.05”

## 2. Methods:

a. Genomic DNA was extracted from the cell pellets provided by the customer.
b. Samples, together with positive and negative control were amplified using GenePrint System (Promega).
c. Amplified products were processed using the ABI3730xl Genetic Analyzer.
d. Data was analyzed by GeneMapper4.0 software and then compared with the ATCC, DSMZ or JCRB databases for reference matching.

## 3. Results:

STR profile

| Marker | Sample | | | | Database | | |
|---|---|---|---|---|---|---|---|
| | Allele1 | Allele2 | Allele3 | Allele4 | Allele1 | Allele2 | Allele3 |
| Amelogenin | X | X | | | X | X | |
| D5S818 | 13 | 13 | | | 13 | 13 | |
| D13S317 | 12 | 12 | | | 12 | 12 | |
| D7S820 | 8 | 9 | | | 8 | 9 | |
| D16S539 | 9 | 12 | | | 9 | 12 | |
| vWA | 16 | 16 | | | 16 | 16 | |
| TH01 | 6 | 9.3 | | | 6 | 9.3 | |
| TPOX | 11 | 11 | | | 11 | 11 | |
| CSF1PO | 12 | 12 | | | 12 | 12 | |
| D19S433 | 13 | 14 | | | | | |
| D21S11 | 30 | 30 | | | | | |
| D18S51 | 15 | 15 | | | | | |
| D6S1043 | 17 | 17 | | | | | |
| D3S1358 | 14 | 14 | | | | | |
| Penta D | 12 | 12 | | | | | |
| D2S441 | 11 | 13 | | | | | |
| D8S1179 | 13 | 14 | | | | | |
| Penta E | 11 | 13 | | | | | |
| D12S391 | 17 | 20 | | | | | |
| D2S1338 | 17 | 18 | | | | | |
| FGA | 20 | 20 | | | | | |

## 4. Conclusion

A. The STR results show that there are no four alleles on the main nine locus, there is certainly no cross contamination of human cells in this cell line.

B. The match percent between the sample and the STR database profile is **100%**, the cell name is **Panc 10.05.**

| Similarity | Cell line | Source | Shared | D5S818 | D7S820 | D13S317 | D16S539 | vWA | TH01 | TPOX | CSF1PO | Amelogenin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Your query | | 13, 13 | 8, 9 | 12, 12 | 9, 12 | 16, 16 | 6, 9.3 | 11, 11 | 12, 12 | X, X |
| 100 % | Panc 10.05 | CRL-2547 | 9 | 13, 13 | 8, 9 | 12, 12 | 9, 12 | 16, 16 | 6, 9.3 | 11, 11 | 12, 12 | X, X |

**Note:**

1. The STR profile data was compared with the ATCC, DSMZ or JCRB databases, if the cell line is not included in the three institutions, the results are not correct. More information you provided would be useful for Cell Line Authentication.
2. Based on the ANSI Standard, cell lines with 100% match are considered to be "identical"; cell lines with ≥80% but less than 100% match are considered to be "related".

Operator：Xiaomei Liu, Qin Wang

Leader：Wei Zhou

Date：2026-05-06

科佰生物Cobioer