# STR Authentication Report For Cell Line

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1. Cell Name: CAL-62

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.

3. Sample gene genotype analysis result:

| Genotype analysis results of STR and Amelogenin loci in cells | | | | | | |
|---|---|---|---|---|---|---|
| STR Loci | STR profile for Sample cell | | | STR profile for Cell Bank cell | | |
| | Cell name: STR25031402 | | | Cell name: CAL-62 | | |
| | Allele1 | Allele2 | Allele3 | Allele1 | Allele2 | Allele3 |
| D5S818 | 9 | 12 | | 9 | 12 | |
| D13S317 | 12 | 12 | | 12 | 12 | |
| D7S820 | 10 | 10 | | 10 | 10 | |
| D16S539 | 12 | 13 | | 12 | 13 | |
| VWA | 16 | 16 | | 16 | 16 | |
| TH01 | 7 | 9 | | 7 | 9 | |
| AMEL | X | X | | X | X | |
| TPOX | 8 | 9 | | 8 | 9 | |
| CSF1PO | 9 | 12 | | 9 | 12 | |
| D12S391 | 22 | 22 | | | | |
| FGA | 19 | 19 | | | | |
| D2S1338 | 19 | 23 | | | | |
| D21S11 | 32.2 | 32.2 | | | | |
| D18S51 | 16 | 16 | | | | |
| D8S1179 | 13 | 13 | | | | |

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| D3S1358 | 16 | 16 | | | | |
|---------|------|------|--|--|--|--|
| D6S1043 | 12 | 12 | | | | |
| PENTAE | 5 | 10 | | | | |
| D19S433 | 14 | 14 | | | | |
| PENTAD | 13 | 13 | | | | |
| D1S1656 | 17.3 | 17.3 | | | | |

4. Conclusion: The STR results of **CAL-62** cells are consistent with the genotypes of **CAL-62** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-448** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

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