

STR Authentication Report For Cell Line

1. Cell Name: 6T-CEM

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: STR24122002 | | | | Cell name: 6T-CEM | | |
| | Allele1 | Allele2 | Allele3 | Allele4 | Allele1 | Allele2 | Allele3 |
| D5S818 | 11 | 13 | | | 11 | 13 | |
| D13S317 | 11 | 12 | | | 11 | 12 | |
| D7S820 | 9 | 14 | | | 9 | 14 | |
| D16S539 | 10 | 13 | | | 10 | 13 | |
| VWA | 17 | 19 | 20.0 | | 17 | 19 | |
| TH01 | 6 | 7 | | | 6 | 7 | |
| AMEL | X | X | | | X | X | |
| TPOX | 8 | 8 | | | 8 | 8 | |
| CSF1PO | 10 | 11 | | | 10 | 11 | |
| D12S391 | 18 | 21 | | | | | |
| FGA | 23 | 24 | | | | | |
| D2S1338 | 24 | 24 | | | | | |
| D21S11 | 30 | 31 | 32.2 | 33.2 | | | |
| D18S51 | 13 | 17 | 18.0 | | | | |
| D8S1179 | 12 | 13 | | | | | |

| | | | | | | | |
|---------|------|------|------|--|--|--|--|
| D3S1358 | 14 | 15 | 16.0 | | | | |
| D6S1043 | 11 | 14 | 15.0 | | | | |
| PENTAE | 5 | 14 | | | | | |
| D19S433 | 14 | 15 | | | | | |
| PENTAD | 11 | 11 | | | | | |
| D1S1656 | 16.3 | 19.3 | | | | | |

4. Conclusion: The STR results of **6T-CEM** cells are consistent with the genotypes of **6T-CEM** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_6869** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

