

STR Authentication Report For Cell Line

1. Cell Name: U-251MG
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: U-251MG | | | Cell name: U251-MG | | |
| | Allele1 | Allele2 | Allele3 | Allele1 | Allele2 | Allele3 |
| D5S818 | 11 | 12 | | 11 | 12 | |
| D13S317 | 10 | 11 | | 10 | 11 | |
| D7S820 | 10 | 12 | | 10 | 12 | |
| D16S539 | 12 | 12 | | 12 | 12 | |
| VWA | 16 | 18 | | 16 | 18 | |
| TH01 | 9.3 | 9.3 | | 9.3 | 9.3 | |
| AMEL | X | X | | X | X | |
| TPOX | 8 | 8 | | 8 | 8 | |
| CSF1PO | 11 | 12 | | 11 | 12 | |

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **U251MG** cells are consistent with the genotypes of **U251MG** cell lines in **DSMZ** database, the cell ID corresponded to **IFO50360** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

