

STR Authentication Report For Cell Line

1. Cell Name: NCI-H292
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: NCI-H292-Y01-S | | | Cell name: NCI-H292 [H292] | | |
| | Allele1 | Allele2 | Allele3 | Allele1 | Allele2 | Allele3 |
| D5S818 | 13 | 13 | | 13 | 13 | |
| D13S317 | 11 | 12 | | 11 | 12 | |
| D7S820 | 10 | 10 | | 10 | 10 | |
| D16S539 | 9 | 13 | | 9 | 13 | |
| VWA | 16 | 17 | | 16 | 17 | |
| TH01 | 8 | 8 | | 8 | 8 | |
| AMEL | X | X | | X | X | |
| TPOX | 8 | 11 | | 8 | 11 | |
| CSF1PO | 10 | 10 | | 10 | 10 | |
| D12S391 | 16 | 20 | | | | |
| FGA | 22 | 26 | | | | |
| D2S1338 | 21 | 24 | | | | |
| D21S11 | 28 | 28 | | | | |
| D18S51 | 16 | 16 | | | | |
| D8S1179 | 11 | 14 | | | | |
| D3S1358 | 16 | 16 | | | | |
| D6S1043 | 11 | 12 | | | | |

| | | | | | | |
|---------|----|------|--|--|--|--|
| PENTAE | 13 | 15 | | | | |
| D19S433 | 12 | 13.2 | | | | |
| PENTAD | 9 | 9 | | | | |
| D1S1656 | 14 | 15.3 | | | | |

4. Conclusion: The STR results of **NCI-H292** cells are consistent with the genotypes of **NCI-H292** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1848** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

