

## STR Authentication Report For Cell Line

1. Cell Name: AGS
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: AGS              |         |         | Cell name: AGS                 |         |         |
|   | Allele1                     | Allele2 | Allele3 | Allele1                        | Allele2 | Allele3 |
| D5S818  | 9                           | 12      |         | 9                              | 12      |         |
| D13S317   | 12                          | 12      |         | 12                             | 12      |         |
| D7S820  | 10                          | 11      |         | 10                             | 11      |         |
| D16S539   | 11                          | 13      |         | 11                             | 13      |         |
| VWA   | 16                          | 17      |         | 16                             | 17      |         |
| TH01  | 6                           | 7       |         | 6                              | 7       |         |
| AMEL  | X                           | X       |         | X                              | X       |         |
| TPOX  | 11                          | 12      |         | 11                             | 12      |         |
| 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 **AGS** cells are consistent with the genotypes of **AGS** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1739** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

