

CELL LINE IDENTIFICATION

An inexpensive method for authenticating human cell lines, using informative Short Tandem Repeat (STR) systems.



What is Cell Line Identification?

The AGRF human cell line identification service is a method useful in genotyping and is particularly useful in tissue culture strain identification.

Two different multiplex STR systems are available;

- Promega PowerPlex 16HS, uses 16 loci markers*
- Promega GenePrint 10 System, uses 10 loci markers*

Applications

- Forensic DNA analysis (for research purposes only)
- Human identity testing (sample ID confirmation)
- Paternity testing (for research purposes only)
- Tissue culture strain identification
- Cell/tissue sample identification
- Cell line authentication/identification
- Cell/tissue provenance testing



Two Access Options

Full data service

- Users submit DNA for amplification with the PowerPlex assay reagents.

Fragment Analysis Service

- Users submit a PCR sample already amplified by the client using the PowerPlex assay reagents.

Data Analysis

Both options include electrophoresis and analysis using Genemapper software to provide called alleles for each of the markers.

Final data is supplied to the client for interpretation. To interpret data access the ATCC database and match the STR profile provided. www.atcc.org/STR_Database.aspx

Data provided

- Excel file with bin name (allele category) and size
- Capillary electrophoresis raw data file (.fsa)

**Please note there is a minimum number of eight samples per submission and this service is available for research purposes only.*

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