University of Pennsylvania

**Penn Genomic Analysis Core - DNA Sequencing Laboratory**

#### 502-503 Stellar-Chance Bldg.

#### 422 Curie Blvd., Philadelphia, PA 19104-6100

Phone: 215-573-7407 Fax: 215-573-9327

E-mail:dnaseq@mail.med.upenn.edu https://www.med.upenn.edu/genetics/dnaseq FTP: dnaseq.med.upenn.edu

## ***Request for Human Cell Line Authentication by STR Genotyping***

**PI \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fund No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Contact Person (full name) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\*E-Mail (Required) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date** \_\_\_\_\_\_\_\_\_\_

Analysis of the cellular DNA is done using Promega’s GenePrint® 10 kit. This is a 10-loci multiplex system designed to generate a multi-locus DNA profile by amplifying human genomic DNA extracted from cell pellets, cell culture enrichment media and by direct amplification from storage cards. It provides successful identification and authentication of human cell lines, as well as detection of cell line contaminants.

The loci: ASN-0002-2011 loci (TH01, TPOX, vWA, CSF1PO, D16S539, D7S820, D13S317, D5S818) plus Amelogenin and D21S11.

Data Analysis

Simplified data analysis and comparison using loci in concordance with publicly available ATCC database are provided.

**Please submit cellular DNA, 10 µl @ concentration 10 ng/µl and fill out the table-**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Human Cell line with Source** | **ATCC****Number** | **Donor DNA****Y/N** | **DNA Concentration****ng/µl** | **OD 260/280** | **Vol. of DNA** | **Comments** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |