

SAMPLE SUBMISSION GUIDE

Human Cell Line Authentication Service by STR/DNA Profiling

Service

Cell Line Authentication (CLA) Service – Basic Service (from genomic DNA)

- Cell Line Authentication Service for human cell lines is performed using Applied BiosystemsTM AmpFLSTRTM IdentifierTM Plus PCR Amplification Kit with 16 markers (CSF1PO, D2S1338, D3S1358, D5S818, D7S820, D8S1179, D13S317, D16S539, D18S51, D19S433, D21S11, FGA, TH01, TPOX, vWA, and the gender marker Amelogenin) for high-resolution discrimination and includes all relevant markers of ANSI/ATCC ASN-0002-2011. Authentication of human cell lines: Standardization of STR profiling.

Cell Line Authentication (CLA) Service – Additional Services

- DNA Extraction from cell pellets.
- Comparison of the DNA profile (database entries e.g. at DSMZ, ATCC, etc.*) plus official certificate (accepted by peer-reviewed journals).
- Chromatogram of the DNA profile as PDF.
- Comparison to Patient Reference Samples.

Results: Certificate will be uploaded into your account in a turnaround time (TAT) of 5 workings days.

*Is the reference genetic fingerprint of your cell line just available in a special database or in a publication, please provide us with this information directly at the ordering step.

Shipment Instructions

- Order up to 100 CLA Basic Service Prepaid Barcodes in advance and benefit from our best price per sample.
- How to order CLA with prepaid barcodes:
 - Click on the 'New Order Page' Button on our webpage or on 'Cell Line Authentication 2.0' in our Order Menu.
 - Follow the steps to register your samples and barcodes.
 - Send your samples directly to below address or place them into one of your dropboxes (+approx. one day logistics time).
- Samples are accepted as:
 - Cell Pellets (preferred): 2 mL reaction tube (no falcon tubes) with >10.000 cells (**visible cell pellet!**)
Cell culture medium completely removed; cell pellets washed with TE buffer or PBS; shipped at ambient temperature or cooled (no need for dry ice)
 - Genomic DNA: 2 mL reaction tube; volume >20 µL; amount >10 ng/µL
shipped at ambient temperature
- If >20 samples per batch are shipped, please sort the 2 mL tubes in a box.
- Shipment Address: **APG Department**
Eurofins Genomics
Anzinger Str. 7a
85560 Ebersberg, Germany

Contact: Please do not hesitate to contact us in case of any questions!

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