

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 Biosystems™ AmpFLSTR™ Identifier™ 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 working 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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