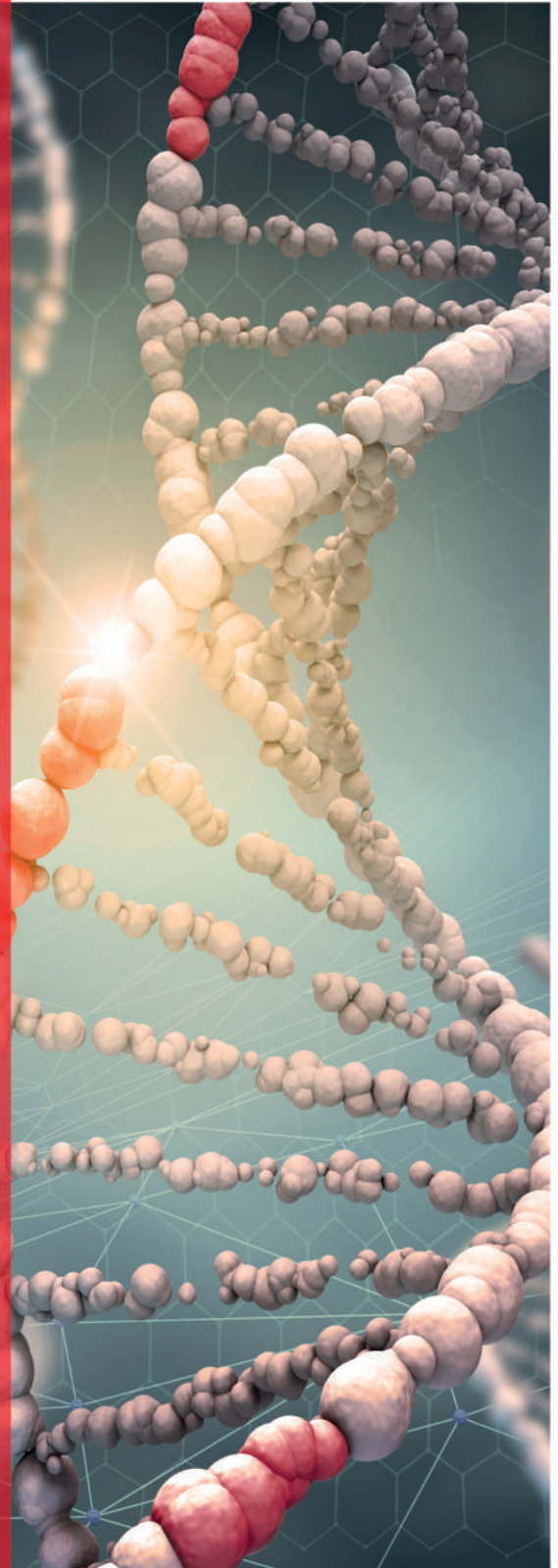


EUROPEAN INSTITUTE FOR GENETICS AND DNA IDENTIFICATION

Accredited Forensic and
Medical Genetics Laboratories

www.dnalogy.eu



INTERNATIONALLY RECOGNIZED INSTITUTE OF GENETICS AT THE SERVICE OF MEDICINE AND JUSTICE

- Modern Laboratory Facilities
- Court Experts
- Expertise & Technology



DNAlogy

Accredited Forensic and Medical Genetics Laboratories

DNAlogy, the European Institute for Genetics and DNA Identification, was established in 2009 in Athens by the most important European scientific team in DNA analysis and profiling, the team of the French laboratories IGNA (Institut Génétique Nantes Atlantique), transferred technology and the know-how from their laboratories in France in order to meet the needs in the area of DNA analyses and contribute to the harmonization of Greek practice with European and international standards. Today, DNAlogy is a reference laboratory in Greece while providing its services to laboratories and organizations of many countries in the context of DNA analyses, toxicological analyses and medical genetics analyses.

QUALITY

DNAlogy laboratories are accredited by the National Accreditation System (ESYD) according to the quality standard ELOT EN ISO/IEC 17025 (cert. no 892-4)

for services of detection of biological material, analysis, and DNA profiling.

On an annual basis, our laboratories participate with success in the international proficiency tests for forensic laboratories organized by GEDNAP, the German DNA Profiling Group, in the inter-laboratory exercises of the International Society for Forensic Genetics – (French and English Speaking Working Groups) and in the INSTAND external audit of quality assurance for SARS-CoV-2 virus detection and toxicological analyses. DNAlogy laboratories are included in the official list of laboratories of the Ministry of Immigration and Asylum while DNAlogy Experts are in direct cooperation with the Ministry of Justice.



TECHNOLOGY

Lab automation with the use of the latest robotic systems.

- Robotic sample preparation systems.
- Automated DNA extraction systems.
- Automated DNA sequencers.
- PCR / Real-Time PCR.

IT automation with the use of Laboratory Information Management System (LIMS).

- Digital case recording.
- Unique sample codes (barcode).
- Monitoring of the analysis progress.
- Automatic extraction of results.

Physical space separation by using different lab rooms for each stage of the analysis.

- Specially designed rooms for the different stages of analysis.
- Elimination of risk of mix-up / contamination.



SERVICES

Forensic Laboratories

DNAlogy is the first Greek private laboratory handling cases DNA analysis, which is in direct cooperation with legal, judicial and police bodies.

FORENSIC SERVICES FOR COURT AUTHORITIES

DNAlogy Experts can contribute to the solution of penal cases (crime scene investigation, collection and genetic analysis of evidence, genetic identification of suspects), facilitating and enhancing the work of Court Authorities.

FORENSIC SERVICES FOR THE DEFENCE

DNAlogy Experts can either act as consultants or be appointed as Technical Consultants to study in detail, handle and scientifically solve even the most complex criminal cases.

LABORATORY SERVICES

Detection of Biological Traces

Detection of biological material and determination of its nature (blood, saliva, sperm, etc.) provide important information for the events that took place, while at the same time indicate the most suitable way of sampling and DNA analysis.

DNA Analysis

DNAlogy laboratories employ state-of-the-art methods of DNA analysis by analyzing 84 nuclear DNA genetic markers (STRs) (autosomal, X and Y chromosome) and mitochondrial DNA, as well as all scientifically-sound methods for statistical analysis and interpretation. DNA analysis can be applied to any kind of background and object.

Special Services:

- **Identification of suspects in criminal acts** by DNA analysis of findings.
- **Authenticity of Wills – Documents**
DNA analysis of traces of the real editor and comparison with the genetic profile of the alleged.
- **Biopsy Identification DNA**
analysis of the biopsy and comparison, with the patient's DNA.

- **Traffic accidents.** DNA analysis of passengers' biological traces and determination of their positions in the vehicle.

- **Bloodstain Pattern Analysis.**

Study of the pattern of bloodstains in space for the determination of the events that took place.

EXPERT/TECHNICAL CONSULTANT CONSULTING SERVICES

After thorough study of the DNA analysis results included in the case file, DNAlogy Experts will:

- Help the parties concerned to better understand the results and guide them regarding case handling.
- Assess the soundness of methods followed and conclusions reached to judge whether the formulation of specific scientific positions by the experts is necessary in court.





- **DNA testing for Paternity/ Maternity, Sibling/ Twin, Uncle/ Aunt, Grandfather/ Grand-mother, Common paternal/ maternal lineage.**
- **Analysis of 17-84 nuclear DNA genetic markers (STRs) (autosomal, X and Y chromosomes) and Mitochondrial DNA .**
- **Special software for genetic . profiling and statistical analysis**
- **Interpretation of results by 2 specialized experts .**

FOR PERSONAL USE

This kind of test is carried out for personal information. Sampling can take place in the laboratory or in the comfort of the client's home and the samples can then be sent for analysis. Paternity test for personal use may include buccal swabs through the use of DNAlogy-Patrotis-kit, blood or alternative samples (cigarette butts, nails, toothbrush, bones, etc.)



SERVICES

Biological Relationship DNA Testing

FOR LEGAL USE

DNAlogy Court Experts can perform Paternity DNA tests for legal use, which can be used as evidence in the Courts and Public Authorities in Greece and abroad in cases of recognition of children, disputed paternity, migration/family reunification,

issue of residence permit, issue/correction of birth certificates, inheritance claims or any other legal purpose.

Sampling can take place in the laboratory by the DNAlogy Court Experts, or remotely through the "Online Sample Collection Protocol", that our Laboratories have innovated and applied.

Buy the DNAlogy-Patrotis-Kit

- 1) From the network of our partner pharmacies
- 2) On-line from our e-shop

TOXICOLOGICAL ANALYSES FOR THE DETECTION OF DRUGS, PHARMACEUTICAL SUBSTANCES, AND ALCOHOL

DNAlogy provides a full range of toxicological analyses **for personal use, Legal/Judicial use, for workplace drug testing and for testing in the Maritime Industry.**

- **Detection of drugs, pharmaceutical substances, and alcohol in hair** (investigation of consumption in earlier periods and determination of the user profile: occasional user, daily user, etc.).
- **Detection of drugs, pharmaceutical substances, alcohol, and cotinine in urine.**
- **Detection of drugs and pharmaceutical substances in blood** (blood sampling can be performed with a finger prick).
- **Detection of drugs in saliva.**

DNAlogy Forensic Toxicologists

DNAlogy's Scientific Team of Forensic Experts provide a new protocol for toxicological analyses using hair, which allows the detection of drugs or pharmaceutical substances consumed in earlier periods (months or years) as well as urine, blood, and saliva tests for judicial and any other legal use.

DNAlogy's Forensic Experts are registered in the list of experts at the Court of first Instance and at the Office of the Public Prosecutor for toxicological analyses. The test results are delivered written in Expert Reports for Judicial and any other Legal use.

The use of drugs by a company's personnel can cause operational problems or raise legal-criminal issues. The implementation of a drug control policy helps to prevent the use of drugs, thus protecting both the company and the employees.

Toxicological analyses for drug detection are applied according to the nature and needs of each company. DNAlogy laboratories design a unique sampling plan, which will be fully consistent with each company's drug use control policy.

Toxicological screening



DRUG, PHARMACEUTICAL SUBSTANCES, AND ALCOHOL TESTING IN THE MARITIME INDUSTRY

Any use of drug, pharmaceutical substances or alcohol in the maritime industry is forbidden and it is considered dangerous as it puts at risk passenger's and crew's safety on board.

Drug, pharmaceutical substances, and alcohol testing in the maritime industry should be conducted in different time frames for all crewmembers during their occupation on board. Sample collection can be carried out randomly without any prior notice to the existing crew but also to the candidates for recruitment, and in cases of cause screening as well as post incident evaluation.

Testing can be performed:

1. At DNAlogy laboratories.
2. In the port by our scientific staff.
3. On board with test kit for sample collection and shipment to the laboratory for analysis.
4. On board with self-test kit provided by DNAlogy for the on-site examination of the crew.

At DNAlogy we offer solutions that meet the needs of the maritime's industry, providing a reliable testing of drug, pharmaceutical substances and alcohol as well as a wide variety of services that serve the policy of each company.

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