Company profile

novogenia
Network of genetic laboratories
Novogenia Group

Network for human genetics

The Novogenia corporate group goes back to the year 2001, when the first of its companies, GenoSense Diagnostics was founded in Austria, Vienna. Today, the Novogenia group consists of Austrian and German biotech companies that act as pioneers in the field of preventive genetic testing, molecular diagnostics of diseases, lifestyle genetic testing, and medical food supplements. In addition, the Novogenia Group offers the world’s largest laboratories’ network, with more than 100 medical and genetic laboratories, and thus has a portfolio of more than 3,200 various medical genetic tests.

Our expertise

+ Automated high-tech genetic engineering lab, with license for performing medical genetic testing.
+ Network of more than 100 medical and genetic laboratories.
+ Development of software systems for laboratory management and automation.
+ Offering more than 3,200 different genetic tests (the world’s largest portfolio).
+ More than 3,000 international physicians&hospitals, in more than 30 countries.

Affiliated companies

The Novogenia Group consists of several companies in the field of human genetics, biotechnology and food supplements. These companies include GenoSense Diagnostics, the worldwide pioneer in the field of preventive genetic testing, Novogenia, an innovative technology lab, DNA Plus, the European leader in the field of preventive and lifestyle genetic testing, GenomePlus, a company focused on dietary supplements and medical products manufacturing based on individual genetic data, CDEM, the neonatal screening laboratory, and the two marketing companies DNA Plus Middle East and AstraGenix, serving the middle eastern and the US market respectively.
Facilities

- Extensive experience in prenatal screening, cytogenetics, molecular diagnostics and genetic counseling.
- Network of more than 100 laboratories and more than 1,000 doctors.
- Several satellite laboratories for neonatal screening.
- International laboratory units that can be set up anywhere depending on demand.
- Experts with years of experience in the analysis of neonatal screening with subsequent medical counselling.

The main arguments

- As a network with more than 100 international laboratories, we can choose the best analyses provider, guaranteeing a competitive service of the highest quality standards for each analysis.
- German-Austrian service quality: our main laboratory is located in Austria, a country with one of the strictest laws on genetic engineering in Europe, as all medical genetic testing must be evaluated and approved by officials before their use. Therefore, the Austrian laboratories observe the highest quality standards at international level as well.
- Intelligently designed laboratory management and automation software ensures optimal data protection and prevents errors.

Quality control

- The laboratory is certified by the government to perform medical genetic analyzes.
- All genetic tests are carried out according to ISO 15189 standard for medical and genetic laboratories.
- Austria operates with stringent regulations regarding genetic testing, to ensure that the patients benefit from the highest quality standards.
- Novogenia is fully licensed to perform medical and genetic analyzes.

Certifications

- Certification of certain satellite laboratories:
  - ISO 9001: 2008 - Provision of services in the field of genetic screening & testing
  - ISO 15189
- Certified for medical and genetic analyzes
- Quality control of certain satellite laboratories: Six Sigma

State-of-the-art technology

- Highly automated laboratory
- Barcode tracking of samples
- Fingerprint access restrictions
- Highly secure computer system
- Automated DNA extraction and analysis processes

Capacity

7000 to 54000 tests per month
(24/7 automated laboratory analysis operation)
DNA PLUS is one of the German pioneers in the development of medical genetic testing services; the newest international theories are evaluated in terms of their medical usefulness, leading to the development of new analysis services. The DNA PLUS - Center for human genetics has many years of experience in this area, and already acted as a developer for more than 20 medical genetic testing with prevention and treatment potential. The DNA PLUS currently offers its scientific development services to other biotechnology companies in the field of genetics.

**Extensive experience in the development of genetic analysis services:**
+ Analysis of the international genetic science
+ Select all relevant genes for targeted analysis
+ Select the right technology for the analysis
+ Develop prevention and treatment measures depending on the results
+ Automation and design of the analysis reports
+ Implementation of the finished product in analytical laboratories

Other business segments of DNA PLUS are conducting scientific studies and the automation and software development for and by genetic laboratories. Current studies are concerned with the weight loss success with the support of genetic testing and the relationship between HNMT gene and enzyme.

GENOSENSE DIAGNOSTICS

Laboratory and diagnostic service provider

+ Worldwide pioneer in the field of preventive genetic testing (since 2001)
+ A worldwide network of more than 3,000 medical professionals

GENOSENSE Diagnostics GmbH was founded in the spring of 2001 as a subsidiary of VBC-Genomics Bioscience Research GmbH by an experienced group of professionals from the fields of gynecology, endocrinology, molecular biology and biochemistry, with the vision to establish modern, patient oriented diagnosis in the medical ordinations, to the benefit of the patient. Since the middle of 2009, VBC-Genomics Bioscience Research is a subsidiary of Phadia Diagnostics AB, Sweden. Since the takeover by Phadia AB, GENOSENSE acted as an independent company.

The company is constantly expanding its range of diagnostic sensors, successfully positioned them in the international market, and continuously adapts and automates them content-wise in accordance to the latest scientific discoveries. The current product portfolio includes all medical fields relevant for nutritional and lifestyle advice, as well as allergy diagnostics. In 2012 Genosense Diagnostics fused with the Novogenia group of companies.

GENOSENSE is THE PIONEER in personalized, patient-oriented preventive genetic diagnosis with internationally recognized reputation. A network of international medical reviewers and referring physicians, certified in-house training programs, continuous national and international congress participation, workshops, “invited key-speaker posts” at international congresses as well as accreditation by TÜV, approval and conformity to the Austrian Gene Technology Act (GTK) emphasize this statement.
The Genome Plus GmbH is a German company focusing on dietary supplements and medical products manufacturing based on individual genetic data. The genetic analysed data is used to create individualized dietary supplements and medical products for each person, based on new and innovative, methods. It acts as a licensee of the patent filed by Novogenia for individualized dietary supplement production, based on genetic analysis. In addition, the Genome Plus GmbH acts as an innovative partner for dietary supplements projects, focusing on small quantities individualization for businesses.

The CDEMAC emerged as the successful expansion of Novogenia’s neonatal screening, in order to meet the high sample demands in Spain. It operates a state of the art newborn screening laboratory, based on the GC/MS analysis technology, through a technology transfer from Novogenia to the new founded company. Today, the Novogenia GmbH is a partner of the laboratory, and participates in large projects in Spain and Portugal.

To better serve the US market, Novogenia co-founded AstraGenix with the scandinavian partner Alta Nordic. The local company is situated in Delaware and handles customer enquiries, project management and sample collection. The analyses are then performed at the laboratory of Novogenia in Austria.

DNA Plus Middle East has been founded with the aim to serve the middle eastern market with a local supplier. While customer service and training is handled at DNA Plus Middle East, the analyses are performed at the laboratory of Novogenia.