
DNA-TECHNOLOGY

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DNA-Technology company was founded in Russia in 1993 and opened the history of national PCR.

DNA-Technology today

The company employs 400 members including 28 PhDs, 6 Full Doctors, and 45 Certified Engineers.

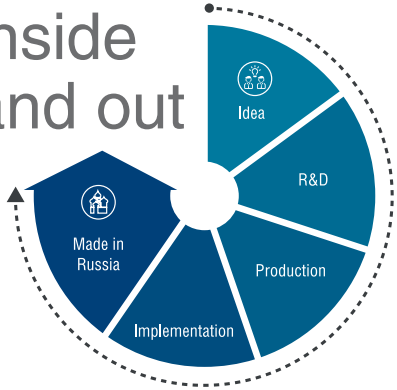
We have produced about 15,000 devices and kits for about 200,000,000 tests.

Polymerase chain reaction (PCR) is one of the most up-to-date and precise diagnostic methods allowing to detect even single copies of microorganisms in biological material.

The method was developed in 1983 by Kary Mullis, an American biochemist awarded a Nobel Prize in Chemistry in 1993.

Molecular genetic diagnostics

inside and out



Fields of product Implementation application:

- diagnostics of infectious diseases in humans;
- genetic diagnostics of hereditary diseases;
- environmental sanitary control, biological safety;
- molecular genetics tests in predictive personalized medicine.

DNA-Technology is the only Russian company running a full business cycle, from R&Ds to introduction to practice.

The company produces up-to-date equipment and kits meeting European quality standards (CE certificates).

Our way to success

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1993

Tercyc Multi-Channel PCR Thermal Cycler is the pioneer in DNA-Technology equipment product range. Tercyc is still unique in its class. More than 3 800 devices are in operation all over the world.

2001

New PCR Technology FLASH was created. The unique technology improved currently used conventional PCR method and caused the growth in the number of PCR assays and PCR clinical laboratories.

2007

DT-322 Real-Time PCR Thermal Cycler became the first Russian Real-Time PCR Thermal Cycler. The device made quantitative PCR analysis, which is required in diagnosis and control of socially significant diseases, affordable for patients.

2008

The Company developed and patented the first kit in the world for analyzinga microbiome composition of the female urogenital tract by the PCR-method named FEMOFLOR®. More than 2 000 000 patients have been examined by the Femoflor Real-Time PCR Detection Kit in order to diagnose dysbioses of various etiology.

2009

«DNA-Technology» has opened the first production site that meets all modern requirements for the production of medical devices (ISO 13485:2003 and 9001:2008).

2010

Innovative solutions in predictive medicine, prevention instead of treatment.

2012

Automation as the main trend in current medicine. The release of the fi rst line of Russian automated integrated devices for PCR analysis.

2014

«DNA-Technology» has opened the second production site that meets all modern requirements for production of PCR detection kits (GMP compliant, ISO 13485:2003 and 9001:2008).
The company entered new international markets. CE certification of the products in compliance with Directive 98/79EC

2016

The release of Androflor® kits for male infectious and inflammatory diseases' diagnostics. New possibilities for integrated solutions of a couple's reproductive issues.

2017

R&D projects in promising areas of medicine, early diagnostics and prediction of oncology diseases, population screening. Development of Russian kits for next generation sequencing (NGS).

2018

The launch of a new technology department at the Slava Technopark.

We work in more than 200 Russian cities and in 46 countries worldwide

- Australia
- Azerbaijan
- Armenia
- Algeria
- Belarus
- Bulgaria
- Brazil
- Hungary
- United Kingdom
- Vietnam
- Germany
- Greece
- Georgia
- Egypt
- Iran
- India
- Spain
- Indonesia
- Italy
- Kazakhstan
- Kyrgyzstan
- China
- Korea
- Latvia
- Lebanon
- Macedonia
- Malaysia
- Morocco
- Moldova
- Mongolia
- Nigeria
- UAE
- Pakistan
- Palestine
- Transdniestria
- Russia
- Romania
- Serbia
- Syria
- Tadjikistan
- Thailand
- Turkey
- Uzbekistan
- Ukraine
- Uruguay
- France

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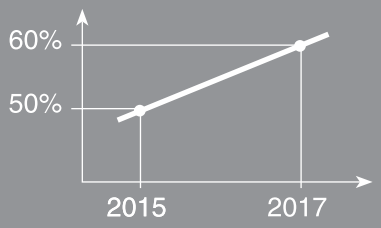
The share of the company's proceeds from export of advanced technology equipment:



The export structure predominantly includes up-to-date Russian devices manufactured at the company's own factory in Protvino, Moscow region.

We support a positive image of the Russian medicine

2008. Finalists of the All-Russian Convent of Youth: development of a set of equipment for human genetic testing.

2009. Grand Prix of Russian Innovation Contest: creation of the Mobile Genetic Lab for MD and MNF.

2010. Exhibitor of the Talent City at EXPO Russia-2010 in Shanghai.

2010-2018. Exhibitor at MEDICA, Biotechnica, Arab Health international exhibitions.

2011. Winner of Best Russian Enterprises. Dynamics. Efficiency. Responsibility at the All-Russian Contest in nomination of «For development of high-technology and innovative products».

2011. Authorization of Femoflor®, a novel medical technology that allowed to approach the solution of one of the primary clinical issues, the decrease in risk of disease relapses and sustaining female reproductive health.

2014. A team of authors won the Prizvanie national prize for best Russian physicians in the category of «For development of a novel diagnostic method» (Femoflor®).

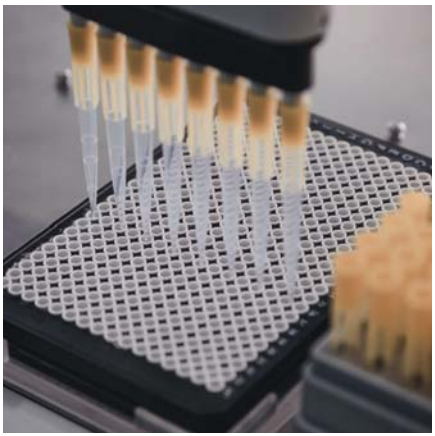
2016. Joint R&D of the company and physicians of Academician Kulakov «Research Center for Obstetrics, Gynecology and Perinatology» – Assessment of microbiota (Femoflor® and local inflammation (ImmunoQuantex®) won Prix Galien Russia 2016 international medical prize in the category of «Best Russian Product».

2017. Integrated real-time PCR assessment of male and female genital tract Femoflor®+Androflor® won a contest of Ministry of Health of Russia for development of the best national medical device.

2018. The DNA-Technology Russian company was included to the list of medical product vendors for the Ministry of Defence of Egypt.

Own production capacities

Manufacturing of equipment in Protvino, Moscow region



2005 – 2009

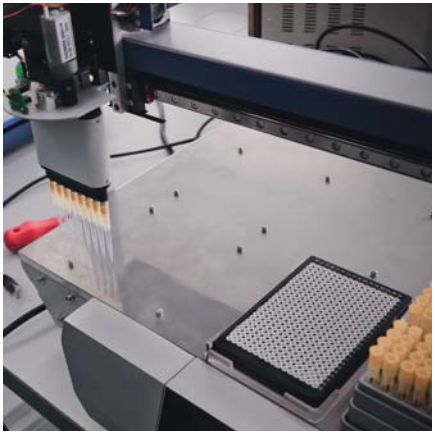
The company invested about **290 million rubles** into construction, repair, infrastructure and launching of the production facility.

2009

Launching the factory has created about **150 workplaces** with the facility's productive capacity of more than 100 units per month.

2018

We have developed and produce about **20 PCR device models**, including a line of automation products.

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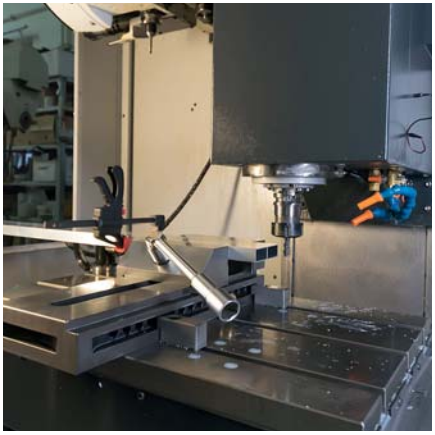

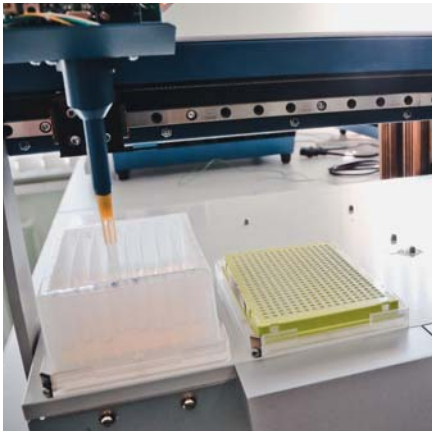


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Production capacities at the Slava Technopark

Production of PCR kits (GMP standard for IVD)

2012–2015. Stage I

The company invested about **195 million rubles** into the production facility at the Slava Technopark

2016-2018. Stage II

About **70 million rubles** for the launch of new production units

The launch of the production facility has created about 70 new workplaces.

The facility's productive capacity is about 1,500 PCR kits per week, with the potential of up to 5,000 kits per week.

Currently at the Slava Technopark we produce about 250 types of PCR kits for applied medicine:

- diagnostics of infectious (including socially significant) diseases in humans;
- self-developed assays for genital tract microbiota (Femoflor®, Androflor®, ImmunoQuantex®);
- determination of genetic predisposition to various diseases, including cancer;
- Class II HLA typing for transplantology, obstetrics and gynecology;
- non-invasive prenatal diagnostics (Rh factor and fetus gender determination);
- pharmacogenetic studies (drug susceptibility).

Innovative products for applied medicine

The company offers for the partners turnkey solutions, fitting up PCR laboratories with ownproduced equipment and PCR kits, staff training and technical support.

The main vector of current medicine is disease prevention. Introduction of the company's products allows to shift focus from the treatment of diseases to early diagnostics, and makes it possible to increase availability of high-tech tests, reducing the costs of medical assistance.

Proven clinical effect and outstandingly low price provided Russia with the first place in world in the line of introducing molecular genetic tests into applied medicine.

Compliance of production with requirements of international industrial standards for medical device manufacturers, work in accordance with the quality management system: ISO 13485:2016, ISO 9001:2015, GOST 130 9001- 2001 (9001:2000) allow the company to ensure product marketability and help to upgrade healthcare.

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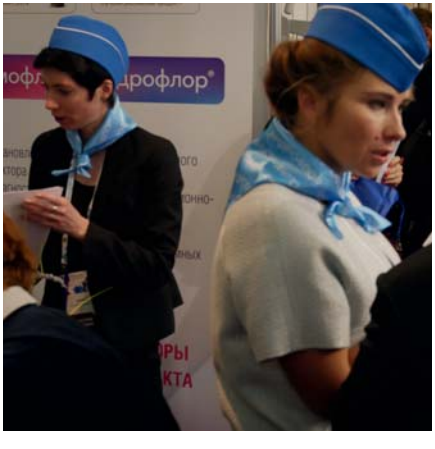

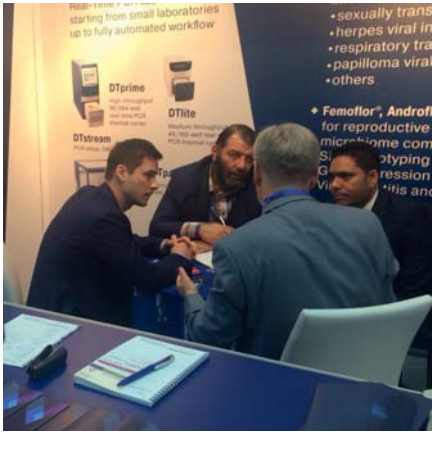

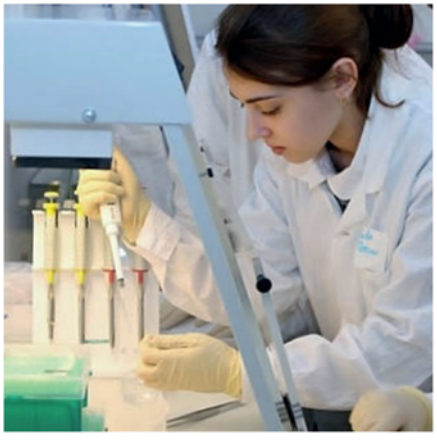

The company’s educational projects

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Supporting to young scientists since 2011 and annual awarding of the best students of undergrad of academic department of Molecular Biology of Lomonosov Moscow State University.

Long-term cooperation with Pirogov Russian National Research Medical University.

Talent development of exceptional children (sponsorship since 2015) via a science camp, which is based on the State Darwin Museum.

Informational and educational project "Women's Health Day" (since 2015): active introduction of innovative diagnostic techniques into practical healthcare.

Participation in the session of the educational center "Sirius" (the project of the Educational Foundation "Talent and Success" based on the Olympic infrastructure with accordance to the initiative of the President of the Russian Federation).


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