

AHEAD IN  
ANIMAL HEALTH



# Royal GD

**100**  
YEAR ANNIVERSARY  
1919 - 2019



ROYAL GD IS AHEAD IN ANIMAL HEALTH  
WITH A CENTURY OF EXPERIENCE AND PASSION



## A century of experience and passion

Since its foundation in 1919 when Dutch farmers and dairy organisations joined forces to combat animal diseases, Royal GD has focused on animal health. Today we still work with the same passion, for the same goal, backed by a century of experience.

We are a leading organisation in animal health and animal production. With our state-of-the-art veterinary laboratories and research facilities, and with our veterinary knowledge and expertise we support our customers worldwide. Clients come to us for high quality and independent consultancy, contract research, and animal health programmes.

Good health is in the interests of animals and contributes to sustainable farming. This meets the goals of a society that wants environmentally friendly food that is safe and healthy. At Royal GD we have the knowledge and passion to support these goals.

## Your partner in Animal Health

Animal and human health are closely linked. In a globalising world with a growing population, the demand for food is rapidly increasing. It is a challenge for our customers to produce enough food in a safe, healthy, animal-friendly, and sustainable manner. Healthy livestock make an important contribution to achieving this.

To support you we combine veterinary expertise, diagnostics and contract research.

We support the livestock business worldwide. Farm managers and their veterinarians, industrial customers, and governments rely

on the products and services we offer. We are your partner in animal health for all farm animals, from cattle, poultry and swine to small ruminants such as sheep and goats.

### Royal GD in numbers\*

- 60 million euros in revenue in 2018
- Almost 5 million lab analyses annually
- Around 500 employees
- 90 researchers and specialised veterinarians

*\*Consolidated results*



## Comprehensive animal health solution

We can support your livestock business with animal health expertise, research and development, and diagnostics. This unique combination of strengths enables us to offer you laboratory tests and to help you interpret the results. We also offer a wide variety of animal health products and services.



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## 1. Veterinary laboratory tests

To best serve our clients, our laboratory meets the highest possible quality requirements with modern equipment and robots. This enables us to carry out large-scale testing accurately, quickly and efficiently. Our laboratory has been ISO 17025 accredited by the Dutch Accreditation Council (RvA) for a large number of laboratory tests (registration number L120) and we are ISO 9001 certified.



Our employees are international experts in the fields of pathology, histopathology, microbiology, virology, molecular biology, serology, chemistry and toxicology.

### **Good Laboratory Practice**

We conduct safety studies on veterinary medicines in compliance with the OECD principles of Good Laboratory Practice (GLP). We have an endorsement of compliance from the Dutch GLP inspectorate.

### **FTA cards**

Submitting samples on FTA cards is fast and easy: samples can be submitted to our laboratory from any anywhere in the world. We provide you with independent and reliable results for a large range of PCR tests.

### **Specialised diagnostics**

Besides routine diagnostics, we offer a wide range of more specialised diagnostics tests and related analyses such as genotyping, phylogenetic analyses, susceptibility tests, pathogen isolation, classical (sero) typing techniques, and more.



## 2. Proficiency testing schemes to verify quality

Proficiency testing schemes (PTS) allow you to verify the quality of your laboratory. Proficiency testing is an inter-laboratory study to determine the performance of individual laboratories for specific tests, and to monitor laboratories' continuing performance. Taking part in one of our proficiency testing schemes is a valuable part of your laboratory's quality control management and the ISO 17025 accreditation process.

### **Quality**

Royal GD has been accredited according to ISO 17043:2010 for the organisation of most of the proficiency testing schemes for antibody detection and molecular biology (registration number R016). This ensures our technical competence as your PTS provider.

### 3. Diagnostics: biological reagents

We offer you a large number of antigens, monospecific antisera and reference sera, carefully selected to obtain optimum results in laboratory tests. The diagnostics are produced in our own facilities. All antigens, antisera and reference sera are freeze-dried to extend their shelf life and guarantee long-term stability.

#### Technical support

Our R&D experts and laboratory technicians can answer your technical or practical questions on the use of diagnostics products and the associated techniques. You are more than welcome to consult them.

#### Our distributors

Royal GD diagnostics are sold in more and more countries through distributors who can give you detailed information, answer questions, and offer help with orders. Check our website for the current overview of distributors





## 4. Research & Development

Based on our field and laboratory expertise, we are continually improving existing and developing new products and programmes for our clients. Our R&D team is always one step ahead when it comes to animal health, working from its own laboratory. It is involved in the validation and quality assurance of diagnostic tests in our operational laboratory, as well as in animal health surveillance programmes and contract research.

### **Epidemiology**

Our epidemiology team assists in and carries out the design, analysis and reporting of studies: ranging from clinical trials to large field studies. Animal health monitoring is vital for animal health and welfare, food safety, and a country's export position. Royal GD has been assigned the important task of monitoring the health of all farm animals in the Netherlands. Our epidemiologists therefore have broad experience with big data sets and can apply all the necessary statistical techniques in their studies.



## 5. Contract research

For many years, we have proven to be a reliable partner for pharmaceutical and other animal health companies conducting research projects in the field of veterinary medicine. We have our own animal facilities for poultry, swine, cattle and small ruminants, in which we carry out studies in a controlled environment. Additionally, we have close contacts with veterinarians and farmers in the Netherlands. We can therefore, carry out field studies efficiently, and collect a great number of samples and data within a narrow time frame. In the case of multicentre trials, our laboratory can process samples originating from countries both inside and outside the EU.

We can conduct safety studies on veterinary medicines in compliance with the OECD principles of Good Laboratory Practice (GLP).

### Portfolio

Our portfolio includes, but is not limited to:

- Safety and efficacy studies of veterinary biologicals and pharmaceuticals;
- Studies to obtain vaccine or challenge-strain candidates;
- Quality control tests on final products;
- Development of models to demonstrate the efficacy or safety of veterinary biologicals and pharmaceuticals;
- Surveys on the prevalence of (emerging) infectious diseases/ agents.





## 6. Consultancy

Our team of veterinarians, specialists and scientists carries out animal health monitoring, conducts practical research, and develops programmes for animal disease prevention and control. We can also support farm managers and their veterinarians with specific disease problems. Our added value is that we not only offer advice on the interpretation of individual test results, but also on your company as a whole.

### **Animal health partner**

We are an experienced partner in many national and international programmes related to animal health, such as disease control programmes, monitoring programmes, the establishment of veterinary diagnostic labs, and lab capacity building projects.

### **Laboratory network**

We can also support you to further improve or guarantee the quality assurance of your veterinary laboratory. One of our specialists can visit your laboratory to perform an audit based on a checklist, and then provide you with the relevant findings and suggestions for improvements to the quality of your laboratory.

## 7. Enhance your knowledge with GD Academy

GD Academy provides education and training related to animal health and animal diseases for farm managers, their staff and veterinarians, pharmaceutical companies, the feed industry, and governments. Our training programmes focus on cattle, swine, poultry and small ruminants such as sheep and goats. Our animal health experts discuss current topics and issues, and guide you in translating the theory into practice, enabling you to apply the acquired immediately.

### Sharing diagnostic knowledge

We also offer theoretical and practical courses on the implementation of veterinary diagnostic lab test methods and the ISO17025 Quality System: Sharing the knowledge we have acquired operating one of the largest veterinary laboratories in the world.

### Open courses or custom-made

Let us help you to achieve your goals. We organise open courses, but to meet your needs, courses can also be fully custom-made. Courses can be organised in the Netherlands, as well as in your country. Furthermore, our experts give lectures and keynotes all over the world as a way of sharing our knowledge.

#### GD Academy

- Top class animal health experts
- Top class diagnostics experts
- State-of-the-art veterinary laboratories
- Theoretical as well as hands-on
- Independent organisation
- A century of experience





## 8. Plexus, profit from healthy livestock

The worldwide growing demand for safe and affordable food is an enormous challenge. With healthy livestock you can turn this challenge into increased profit. Healthy animals require fewer antibiotics, whilst at the same time performing better with less effort. For your business this means increased revenue by selling meat at a higher price.

Monitoring is an essential step towards better animal health. Successful animal health monitoring requires data. Plexus is a software tool that enables you to register all your animal health data in one place. The system shows trends and correlations, and provides insights into animal health status and the effectiveness of vaccinations. Plexus gives you advice on how to achieve better animal health and reduce the use of antibiotics.

With Royal GD as your partner and Plexus as your tool, more profit from healthy livestock is within reach.



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## We look forward to meeting you!



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