



# DIATHEVA

Bringing Research to Application

## CUSTOM KIT DEVELOPMENT: PCR & ELISA SOLUTIONS

Your Trusted Partner  
for High-Precision Molecular  
and Immunoenzymatic Assays

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# CUSTOM PCR ASSAY DEVELOPMENT

Diatheva offers bespoke PCR assay development for the detection of a wide range of targets including **pathogens, genetic** and **antimicrobial resistance markers**. Our PCR kits are specifically designed to provide sensitive and highly specific results, ensuring precision and reliability in **several** applications.

## CUSTOM DESIGN:

We work closely with clients to develop PCR assays that meet their unique requirements. Our highly skilled molecular biologists and PCR assay design experts provide specialized expertise in developing, optimizing, and validating complex molecular assays, working closely with you to design the most effective PCR assay.



## CUTTING-EDGE TECHNOLOGY:

Our laboratory is equipped with the latest technologies, including high-throughput systems that allow us to develop and test PCR assays quickly and efficiently. We also integrate the latest advancements in molecular diagnostics to ensure that our kits are at the forefront of innovation.

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# APPLICATIONS OF PCR KITS

Diatheva's custom PCR kits are used across a variety of sectors, including:

## **CLINICAL DIAGNOSTICS:**

We develop PCR kits for detecting infectious diseases, genetic disorders, and other clinical conditions with high precision and accuracy, ensuring their use in hospitals, research institutions, and laboratories.

## **FOOD SAFETY:**

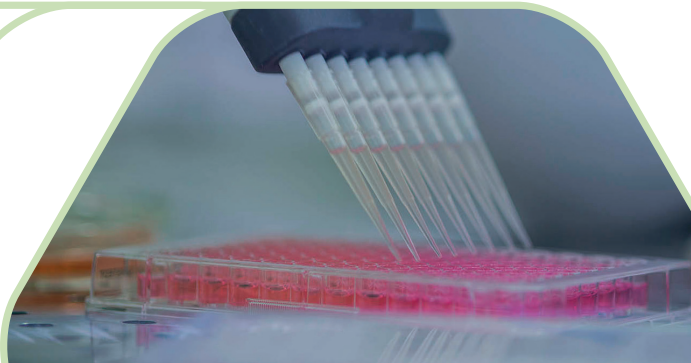
Our kits help ensure food safety by detecting pathogens and contaminants in food products. This application is critical for both regulatory compliance and consumer protection.

## **VETERINARY TESTING:**

PCR kits are used in veterinary diagnostics to detect a range of pathogens affecting animal health. These kits are highly reliable and contribute to improving animal welfare in the agricultural and pet care industries.

## **ENVIRONMENTAL MONITORING:**

We develop PCR kits that detect microorganisms and pollutants in water and environmental samples, playing a crucial role in environmental protection and compliance with international standards.



# ELISA KIT DEVELOPMENT

Our ELISA kits are developed to detect antibodies, antigens, and proteins with a high degree of sensitivity. Diatheva has experience in the development validation of robust and highly sensitive immunoassays. The assays can be developed in various formats, including direct, indirect, sandwich, or competitive designs, suitable for both qualitative and quantitative applications.

**Custom ELISA Kit Design:** Whether you need an ELISA kit for pathogen detection, immune response assessment, or other diagnostic purposes, Diatheva's team of experts will work with you to design the most effective kit for your application.

**Advanced Technologies:** We utilize state-of-the-art technology and validated methodologies to ensure that each ELISA kit is reliable, reproducible, and meets the highest performance standards.

## APPLICATIONS OF ELISA KITS

Our ELISA kits are widely used in a variety of applications:

**CLINICAL DIAGNOSTICS:** Our kits are designed to detect several markers in humans widely used as diagnostic tool in clinical settings.

**VETERINARY DIAGNOSTICS:** We provide kits designed to detect diseases in animals, ensuring quick and accurate diagnosis in both clinical and research settings.

**FOOD SAFETY TESTING:** Our ELISA kits help detect contaminants and allergens in food products, ensuring regulatory compliance and protecting consumer health.

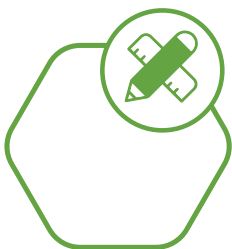
**RESEARCH APPLICATIONS:** ELISA kits are frequently used in academic and industrial research to detect biomarkers, study immune responses, and other studies.

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# THE DEVELOPMENT PROCESS

Diatheva's development process is designed to ensure the highest level of quality at every stage:



## DESIGN AND DEVELOPMENT

We collaborate with our clients to design custom diagnostic kits that meet their specific needs. Whether you're developing a PCR kit or an ELISA kit, Diatheva provides the expertise and tools necessary to ensure success.



## PROTOTYPING AND VALIDATION

Once the initial design is approved, we move to prototyping and rigorous testing to ensure the kit delivers accurate, reliable results. We validate each kit under strict conditions to meet regulatory standards and to ensure that the product is ready for market.



## FULL-SCALE PRODUCTION

After successful validation, Diatheva can scale up production to meet the needs of both small - and large - scale orders. Our flexible production processes ensure that each kit maintains its high level of quality, even in large batches.

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# CASE STUDY / SUCCESS STORY

Our collaboration with a leading veterinary diagnostics company led to the successful development of an ELISA kit for the detection of specific pathogen in livestock.

The kit, which was rigorously tested according to OIE international standards Procedure for the validation and certification of diagnostic assays, has since been widely adopted in the industry and is helping to improve the health and management of animal populations.



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# WHY CHOOSE DIATHEVA FOR KITS?

We offer several key advantages that make us a trusted partner for custom diagnostic kit development:



## STATE-OF-THE-ART TECHNOLOGIES

Our laboratory is equipped with cutting-edge diagnostic technologies, allowing us to develop high-precision PCR and ELISA kits. This ensures that every kit we produce meets the highest standards of performance and accuracy.



## REGULATORY COMPLIANCE

All our kits comply with international regulatory standards, ensuring their accuracy, reliability, and readiness for clinical, veterinary, industrial, and research applications.



## CUSTOM SOLUTIONS

We offer both off-the-shelf kits and fully customized solutions. This flexibility allows us to meet the specific needs of each client, from design to validation, while maintaining strict quality control throughout the production process.

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# CliniSciences Group

## Austria

Company: CliniSciences GmbH  
Address: Sternwartestrasse 76, A-1180  
Wien - Austria  
Telephone: +43 720 115 580  
Fax: +43 720 115 577  
Email: [oessterreich@clinisciences.com](mailto:oessterreich@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Belgium

Company: CliniSciences S.R.L.  
Address: Avenue Stalingrad 52, 1000  
Brussels - Belgium  
Telephone: +32 2 31 50 800  
Fax: +32 2 31 50 801  
Email: [belgium@clinisciences.com](mailto:belgium@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Denmark

Company: CliniSciences ApS  
Address: Oesterbrogade 226, st. 1,  
Copenhagen, 2100 - Denmark  
Telephone: +45 89 888 349  
Fax: +45 89 884 064  
Email: [denmark@clinisciences.com](mailto:denmark@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Finland

Company: CliniSciences ApS  
Address: Oesterbrogade 226, st. 1,  
Copenhagen, 2100 - Denmark  
Telephone: +45 89 888 349  
Fax: +45 89 884 064  
Email: [suomi@clinisciences.com](mailto:suomi@clinisciences.com)  
Web: <https://www.clinisciences.com>



## France

Company: CliniSciences S.A.S  
Address: 74 Rue des Suisses, 92000  
Nanterre- France  
Telephone: +33 9 77 40 09 09  
Fax: +33 9 77 40 10 11  
Email: [info@clinisciences.com](mailto:info@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Germany

Company: Biotrend Chemikalien GmbH  
Address: Wilhelm-Mauser-Str. 41-43,  
50827 Köln - Germany  
Telephone: +49 221 9498 320  
Fax: +49 221 9498 325  
Email: [info@biotrend.com](mailto:info@biotrend.com)  
Web: <https://www.biotrend.com>



## Iceland

Company: CliniSciences ApS  
Address: Oesterbrogade 226, st. 1,  
Copenhagen, 2100 - Denmark  
Telephone: +45 89 888 349  
Fax: +45 89 884 064  
Email: [island@clinisciences.com](mailto:island@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Ireland

Company: CliniSciences Limited  
Address: Ground Floor, 71 lower Baggot street  
Dublin D02 P593 - Ireland  
Telephone: +353 1 6971 146  
Fax: +353 1 6971 147  
Email: [ireland@clinisciences.com](mailto:ireland@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Italy

Company: CliniSciences S.r.l  
Address: Via Marenmanna inferiore 378  
Roma 00012 Guidonia Montecelio - Italy  
Telephone: +39 06 94 80 56 71  
Fax: +39 06 94 80 00 21  
Email: [italia@clinisciences.com](mailto:italia@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Netherlands

Company: CliniSciences B.V.  
Address: Kraaijenhoffstraat 137A,  
1018RG Amsterdam, - Netherlands  
Telephone: +31 85 2082 351  
Fax: +31 85 2082 353  
Email: [nederland@clinisciences.com](mailto:nederland@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Norway

Company: CliniSciences AS  
Address: c/o MerVerdi Munkeøstunet 10  
1164 Oslo - Norway  
Telephone: +47 21 988 882  
Email: [norge@clinisciences.com](mailto:norge@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Poland

Company: CliniSciences sp. z o.o.  
Address: ul. Rotmistrza Witolda Pileckiego 67  
lok. 200 - 02-781 Warszawa - Poland  
Telephone: +48 22 307 0535  
Fax: +48 22 307 0532  
Email: [polska@clinisciences.com](mailto:polska@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Portugal

Company: Quimigen Unipessoal LDA  
Address: Rua Almada Negreiros, Lote 5, Loja 14,  
2615-275 Alverca Do Ribatejo - Portugal  
Telephone: +351 30 8808 050  
Fax: +351 30 8808 052  
Email: [info@quimigen.com](mailto:info@quimigen.com)  
Web: <https://www.quimigen.pt>



## Spain

Company: CliniSciences Lab Solutions  
Address: C/ Hermanos del Moral 13  
(Bajo E), 28019, Madrid - Spain  
Telephone: +34 916 750 700  
Fax: +34 91 269 40 74  
Email: [espana@clinisciences.com](mailto:espana@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Sweden

Company: CliniSciences ApS  
Address: Oesterbrogade 226, st. 1,  
Copenhagen, 2100 - Denmark  
Telephone: +45 89 888 349  
Fax: +45 89 884 064  
Email: [sverige@clinisciences.com](mailto:sverige@clinisciences.com)  
Web: <https://www.clinisciences.com>



## Switzerland

Company: CliniSciences AG  
Address: Fracht Ost Flughafen Kloten  
CH-8058 Zürich - Switzerland  
Telephone: +41 (044) 805 76 81  
Fax: +41 (044) 805 76 75  
Email: [switzerland@clinisciences.com](mailto:switzerland@clinisciences.com)  
Web: <https://www.clinisciences.com>



## UK

Company: CliniSciences Limited  
Address: 11 Progress Business center, Whittle  
Parkway, SL1 6DQ Slough- United Kingdom  
Telephone: +44 (0)1753 866 511  
or +44 (0) 330 684 0982  
Fax: +44 (0)1753 208 899  
Email: [uk@clinisciences.com](mailto:uk@clinisciences.com)  
Web: <https://www.clinisciences.com>



## USA

Company: Biotrend Chemicals LLC  
Address: c/o Carr Riggs Ingram,  
500 Grand Boulevard, Suite 210 Miramar  
Beach, FL 32550- USA  
Telephone: +1 850 650 7790  
Fax: +1 850 650 4383  
Email: [info@biotrend-usa.com](mailto:info@biotrend-usa.com)  
Web: <https://www.biotrend-usa.com>

