

# Inflammatory and autoimmune diseases are underlying causes of a variety of human diseases

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**A wide variety of human diseases are underpinned by inflammatory abnormalities. Tissue damage as a consequence of impaired control of the elaborate system of immune cells and mediators can also contribute to autoimmunity and non-immune diseases such as atherosclerosis and various cancers.**

At Cerba Research, access to demographically rich data and industry-leading laboratories across the globe propels the development of more progressive biomarker strategies to assist in the characterization of the mechanisms that contribute to inflammatory and autoimmune diseases — and determine novel targets for therapeutic intervention.



*Image Credit: Cerba Research*

64% of Cerba Research's autoimmune disease trials have led to the FDA approval of drugs.

# Inflammation

Clients can boost research in inflammatory conditions with Cerba Research's extensive range of test services and research assistance associated with:

- Allergies and respiratory disorders
- Autoimmune diseases
- Biomarkers
- Genetics
- Immune monitoring
- Pathogenesis

# Autoimmune diseases

Research into autoimmunity takes advantage of a multidimensional approach.

## Genetic testing/NGS

Together with infections and other exposures, genes have a central role in disease development.

## Diagnosis and development

Tissue diagnosis and routine testing establish pathology and the course of the disease.

## Immune monitoring

Evaluate response to treatment by following up on the immune cell status via flow cytometry.

## Biomarker testing

Design and track serum markers for both the prognosis and diagnosis of autoimmune diseases.

For other appropriate techniques, please evaluate Cerba's immuno-oncology offerings.

As a partner, Cerba Research helps clients to create new, life-changing therapies for patients around the world. Cerba helps to transform the face of clinical development.

## About Cerba Research

# Cerba Research



For over 35 years, Cerba Research has been setting the industry standard for exemplary clinical trial conduct. Today, across five continents, with a focus on precision medicine, we are changing the paradigm of the central lab's role in complex clinical research.

From protocol inception through development and to market, our passionate experts deliver the highest quality specialized and personalized laboratory and diagnostic solutions. Partner with us for the most efficient strategy to actualize your biotech and pharmaceutical products sooner and improve the lives of patients worldwide.

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## Mission

Cerba Research provides innovative **laboratory solutions** for clinical research to support their customers in bringing improved treatments to patients.

## Vision

To be the **world leading, specialty laboratory solution provider** in clinical research, supporting their customers with faster diagnosis, development, and delivery of patient treatments.

## Company profile

Cerba Research is a leading **specialty laboratory services provider with the capacity and breadth of a global central laboratory network.** Their highly

qualified scientists provide insight on the latest biomarkers, assays and testing approaches and develop innovative solutions for unique challenges across all research phases, to pharmaceutical, biotechnology, medical device, government, public health, and CRO organizations.

Cerba Research's extensive capability in laboratory testing and global logistics including Bioanalysis, Flow Cytometry, **HistoCytopathology**, and **Next-Generation Sequencing**, enables them to drive operational agility at scale in a wide range of therapeutic areas, with recognized expertise in Virology, Immunology, Oncology and Cell & Gene Therapy.

Cerba Research is part of the Cerba HealthCare Group with 15,000 employees on five continents, driven to advance diagnosis and health.

For more information about Cerba Research, please visit [cerbaresearch.com](https://cerbaresearch.com).