



Caribbean Biotech Labs





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## ABOUT US

**Caribbean Biotech Labs (CBL)** is a private Contract Research Organization (CRO) that strives to provide high quality pre-clinical services to businesses in the Diagnostics, Pharmaceutical and Biotechnology industries. Featuring a State-of-the-Art Cell Culture Room where we combine our cell-line upstream and downstream development process to make sure our clients receive a well-branded nonclinical biologics with reliable product quality. Our GLP Immunology Lab is dedicated to developing and validate analytical methods with a unique Quality Management System (QMS) to ensure consistent results.

The CBL Scientific Team is highly professional and result-oriented, with decades of experience in CLIA/CAP laboratory operations. Our customers can rest assured in our ability to not only deliver the highest quality in our services, but also in our ability to understand and adapt to their needs with great flexibility.

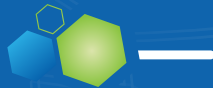


## MISSION



Our Mission is to passionately contribute to the health and well-being of human life, delivering value added services at the utmost quality and efficiency standards.

## VISION



Our vision is to become the partner of choice for our customers, providing products and services of high quality, efficiency and reliability.

## VALUES



- 🕒 Integrity
- 🕒 Accountability
- 🕒 Urgency
- 🕒 Customer Focus







# WORKING ATTRIBUTES

Working with CBL provides the opportunity to benefit from a myriad of attributes:

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## RELATIONSHIP BUILDING

Beyond Process Execution, we provide value and trust by engaging with our customers in a long-term partnership that meets their research and development needs.

## FLEXIBILITY

We foster a networked business model, with increasing collaboration and adaptability to our partner's processes, ensuring quality and timely delivery. Our hallmark is to become an extension of your laboratory.

## COST ADVANTAGE

Our lean and agile structure allow us to benefit from operational costs savings that can be translated into better and more competitive prices.



At **Caribbean Biotech Labs (CBL)** our main goal is to offer our customers specific non-clinical laboratory services in vitro or in vivo. We offer solutions of immunoassay development, validation with written standard operation process (SOP), GLP toxicology studies, basic research, metabolism studies and immunogenicity.

### OUR MAIN SERVICES ARE:

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#### CELL CULTURE

We offer our clients Cell Culture of mammalian cells, production of cell lysates, cell transfection, protein expression, purification, following customers SOP's, and mid-scale production. CBL has a state-of-the-art cell culture lab, which is used for production and purification of any kind of biologics. Detection and qualification of the biologics are performed by the CBL Process Development Team.

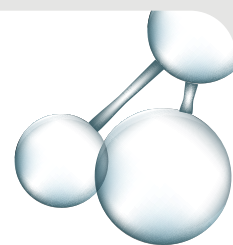
- ⬡ Cell culture of mammalian cells scale-up
- ⬡ Protein expression per customer SOP
- ⬡ Cell lysate production
- ⬡ Upstream and downstream development process
- ⬡ Development and validation of cell-based assays



#### AUTOIMMUNE ANTIGENS

At CBL we place special emphasis on differentiated segments of therapeutic areas. These areas are the production and purification of autoimmune antigens from native sources, e.g. Voltage Gated Potassium Channels (VGKC) and Voltage Gated Calcium Channels (VGCC) from rabbit brain tissue, Nicotinic Acetylcholine from mouse tumor. We are equipped to prepare any autoimmune antigen from any native source.

# ASSAY AND RESEARCH SERVICES

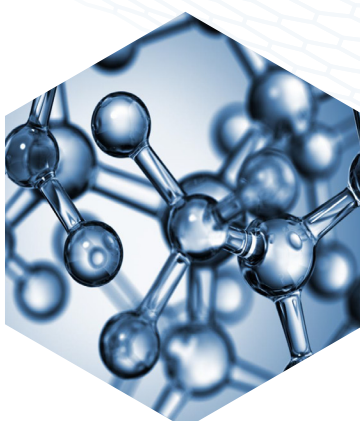


We are specialized on immunoassay development and validation. In CBL we understand the importance of the immunoassays in the process of discovery a new drug.

If you have trouble finding a commercially available ELISA kit for your antigen of interest or having problem developing in-house ELISA assay, The CBL team can help you developing, qualifying and validating ELISA screen and confirmation assay. The entire validation package will be accompanied with a written protocol, a quality management system (QMS) to ensure consistent quality results and stability studies as required by the clients.

## OTHER SERVICES INCLUDE

- Immunoassay development,
- Qualification, validation and accelerated stability studies
- ELISA (screen and confirmation) and Western (screen and titer)
- Cell-based assay development
- Troubleshooting on ELISA, Western Blot and Gyrolab platform





# ADVISORY BOARD



At CBL we give valuable importance to the support of our Advisory Board, formed by highly qualified professionals from very diverse backgrounds and areas of expertise. This board serves as a channel and source of cutting-edge ideas, advice, governance and support in scientific, technical and operational matters to our organization.

## RASHID KAMAL, Ph.D.



Dr. Kamal is the president and founder of International Biotechnology Associates (IBA), a strategic consulting partner for companies, institutions and government agencies, helping them bring life-changing biotechnologies to people around the world. Dr. Kamal is an emeritus professor and previous director of the Biomanufacturing Education and Training Center (BETC) at Worcester Polytechnic Institute (WPI).

Prior to WPI, Kamal was a research professor at Utah State University and the associate director of the university's Center for Integrated BioSystems. In addition, he was on the faculty at Pennsylvania State University where he studied the impact of environmental pollutants on human health and developed undergraduate biotechnology courses and workforce training programs. He was instrumental in the establishment of Penn State's Biotechnology Institute and Bioprocessing Resource Center programs. Dr. Kamal also directed the nationally recognized Summer Symposium in Molecular Biology at Penn State for 10 years.

## DR. DIOGENES AYBAR, Ph.D.

Former Vice-Minister for Science and Technology in the Ministry of Higher Education, Science and Technology (MESCyT), Consultant at the Interamerican Development Bank (IDB), among other key position in important private and public institutions. Dr. Aybar has a Ph.D. in Biochemistry from City University of New York and a Ph.D. in Chemical Enzymology from Moscow State University. Dr. Aybar has vast knowledge and experience in various areas of science, from biological processes implied in the design and functioning of enzymes, biotechnology for the extraction of plants products (leaves, stems and roots), biotechnology for homogenizing fruit juices, production of homogeneous disaggregates from plant tissues (leaves, stems and roots), extraction and purification of alginic acid, and much more.

He has authored or co-authored several articles in scientific journals







## JUAN MANUEL ARAGONESES, M.D.

Graduate in medicine and surgery from the University of Córdoba, Dr. Aragonese is currently the Dean as well as Director of Postgraduate Courses in Implantology, Periodontics and Oral Surgery at the University Popular, International University Isabel I de Castilla "la Católica". Furthermore he performs as Director of Implantology, Periodontics and Oral Surgery Masters at ISEP, Spain. Among his areas of research and expertise are the coordination, execution and supervision of in vivo R&D Projects in compliance with Good Laboratory Practices as well as European Union Regulations.

## EDDY MARTINEZ, M.B.A.

Mr. Martinez was, for many years, Dominican Republic's Secretary of State as well as Executive Director at the country's Export and Investment Centre. He is the Founding President and Chairman of Santo Domingo's CyberPark.

His input and leadership have proven very valuable for the country's drive towards globalization, education and technological advancement throughout the years.



## ALBERTO NÚÑEZ SELLES, Ph.D.

Former Director of Quality Control at Cuba's Ministry of Health, Dr. Nunez is currently the Research Director at the National Evangelic University in the Dominican Republic.

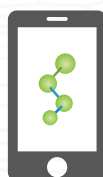
He is vastly experienced in the coordination, execution and follow-up of R&D Projects in Health and Chemical Sciences. Among his areas of expertise are the analysis of organic traces, control and quality assurance (ISO-9001) and antioxidant therapy (oxidative stress).



## CONTACT US



Caribbean Biotech Labs (CBL) is located at  
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