



LABORATORY SERVICES FOR MOLECULAR BIOLOGY,  
MICROBIOLOGY & PROTEIN CHEMISTRY



## CBI SERVICES, INC. OVERVIEW

**CBI Services, Inc., provides drug discovery and diagnostic development organizations a broad range of world-class laboratory services to bring new products to market. Located in 32,000 ft<sup>2</sup> laboratories in Richmond, Virginia, CBI Services is one of the world's most comprehensive Contract Research Organizations in operation. CBI Services provides reliable expertise and cutting-edge technologies which are not available from other companies.**

An expert core laboratory, we provide consultation on experimental design and offer comprehensive services under GLP and non-GLP compliance. These services are offered individually or can be integrated to support product development from discovery-to-market with full Regulatory Support under FDA GLP Guidelines 21 CFR 58.

CBI Services provides the following capabilities to clients:

### **Molecular biology**

We provide comprehensive services from gene target identification through custom molecular biology-based assay development, including:

- DNA sequencing & variant detection (SNP)
- Gene expression and analysis
- Gene synthesis, primer & probe design
- Custom molecular assays
- Bioinformatics analysis and annotation

### **Protein expression & analysis**

We provide services for the expression, production, isolation, analysis, characterization of proteins, peptides, and antibodies including:

- Peptide synthesis and mapping
- Recombinant protein expression (multiple systems)
- Antibody production
- Protein and antibody purification

- Scale-up fermentation
- Biochemical analysis & amino acid composition
- Biophysical characterization and ligand binding

### **Bio-analytical services (CLIA certified)**

- Custom bio-analytic development
- Safety, efficacy and potency of biologics
- Primary endpoint determinations
- Specialized safety assays
- Biomarker and surrogate endpoint studies
- Immunogenic response
- Biologics characterization

### **Assay development & validation**

CBI Services provides immunogen or epitope sequence information, through purification and characterization of a therapeutic or diagnostic antibodies, including:

- ELISA development
- Immunogen/epitope preparation and characterization
- Monoclonal antibodies
- Polyclonal antisera
- Monospecific polyclonal antisera
- Antibody characterization
- Labeled antibodies

Commonwealth  
Biotechnologies, Inc.

CORPORATE  
INFORMATION

CBI Services

CORE BIOLOGY &  
BIOCHEMISTRY

Exelgen

DISCOVERY  
CHEMISTRY &  
COMPOUNDS

Fairfax Identity  
Laboratories

GENETIC TESTING  
& IDENTIFICATION

Mimotopes

PEPTIDE CHEMISTRY  
& DISCOVERY

Venturepharm-  
ASIA

JOINT VENTURE,  
CHINA CRO

### Microbiology, virology & biosafety testing (BSL3 facilities)

Combining general microbiology with modern molecular-based methodologies, CBI Services offers a very unique complement of services for the isolation and identification of bacterial and viral agents, including:

- General microbiology
- Molecular-based detection
- BioSafety
- BSL-3 facility (CDC & USDA License)
- Biodefense; Detection of pathogens including select agents

### Program expertise

Our experienced scientific teams have successfully managed end-to-end projects for multiple biopharmaceutical and diagnostic organizations and can work with your group on projects in the following areas:

- Discovery programs
- Preclinical programs
- Clinical programs
- Bio-analytical services (CLIA certified)
- Biological production & manufacturing
- Biomarker discovery programs

To learn more about CBI Services please visit [www.cbi-biotech.com](http://www.cbi-biotech.com)

#### Contact in North America & Asia

Mark G. Hober  
VP Business Development  
Commonwealth Biotechnologies, Inc.  
601 Biotech Dr.  
Richmond, VA 23235  
United States  
[mhober@exelgen.com](mailto:mhober@exelgen.com)  
PH: 925-283-6260

#### Contact in Europe

Barry Hodson  
Manager Business Development  
CBI Services  
Bude-Stratton Business Park  
Bude, Cornwall EX23 8LY  
United Kingdom  
[uk@mimotopes.com](mailto:uk@mimotopes.com)  
PH: + 44 (0)870 460 1500



With more than 100 experts in offices throughout the world, CBI offers cutting-edge research and development products and services to the global life sciences industry. The CBI group operates through four business units and a Joint Venture:

CBI Services offers molecular biology, protein chemistry, bio-analytical services.  
[www.cbi-biotech.com](http://www.cbi-biotech.com)

Exelgen provides medicinal and computational discovery chemistry services.  
[www.exelgen.com](http://www.exelgen.com)

Fairfax Identity Laboratories is a DNA reference laboratory providing genetic testing.  
[www.fairfaxidlab.com](http://www.fairfaxidlab.com)

Mimotopes delivers peptide and discovery chemistry capabilities.  
[www.mimotopes.com](http://www.mimotopes.com)

Venturepharm-Asia is a joint venture establishing a world-class CRO.  
[www.venturepharm.com](http://www.venturepharm.com)

Further Information on CBI is available at [www.commonwealthbiotech.com](http://www.commonwealthbiotech.com).