



B I O P H A R M L A B S

A leading Israeli CMO

Biopharm Labs (BPL)

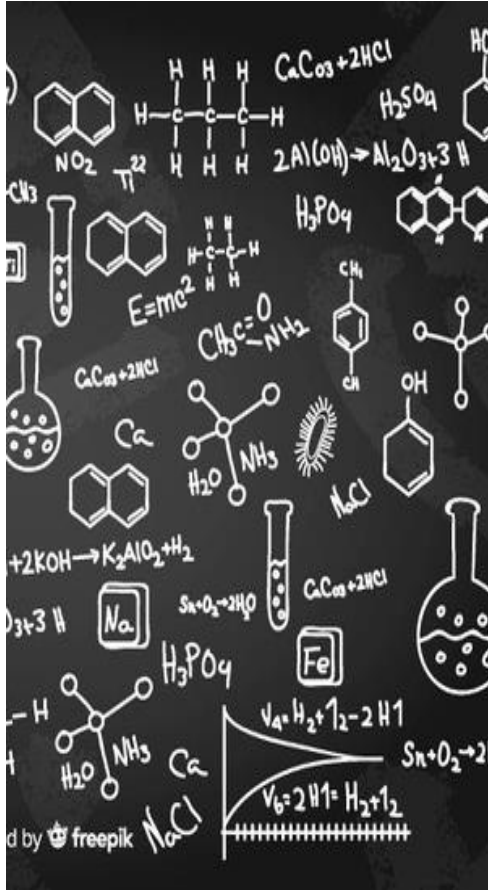
Biopharm Labs (BPL) is a one-stop-shop CDMO services for the biotechnology sector, focusing on recombinant protein design, process development, and production for various uses.

BPL's team put their experience and know-how to assist its customers to successfully achieve their goals at reasonable costs and in a timely manner. Since 2005, BPL's team has been involved and assist in hundreds of projects across the **pharma, biopharma, food-tech, ag-tech, and cosmetics industries**.

The company is fully integrated, providing end-to-end solutions from clone development, expression systems, purification and formulation, to scale-up, GMP-production and even commercial manufacturing of the final product.



The biopharma journey



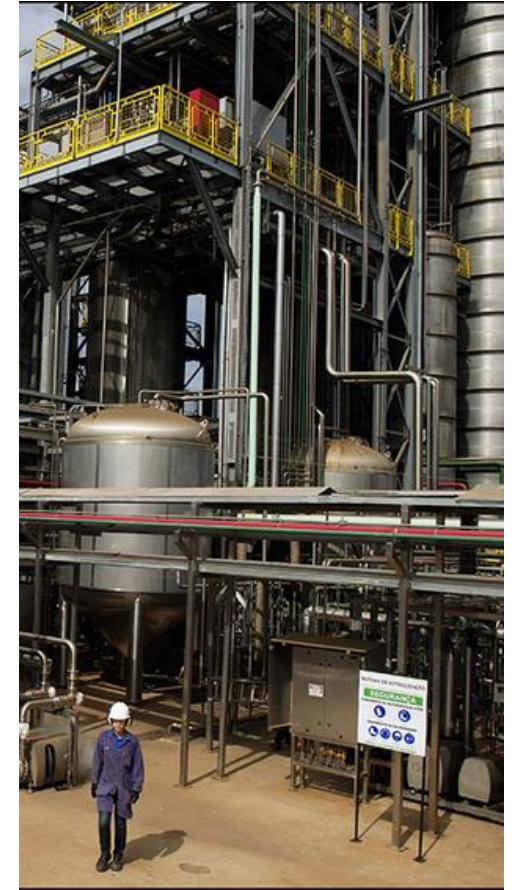
Concept Design



Process Development



Scale-up & GMP production



Commercial Manufacturing

● Feasibility & techno-economic assessment

During our preliminary meeting, going over each project assumption and setting mutual expectations, and goals.

● Literature survey & Pathway design

Preparing the work package and strategy to ensure that each milestone is rapidly met.

● Starting strain selection

Comparison of different micro-organisms, tested in shake flasks. BPL developed vast expertise in production using systems based on **mammalian cells, bacteria, yeast, and algae..**

The background of the right side of the slide is a dark blue field filled with various white chemical formulas and diagrams. These include molecular structures like ZnSO4, Fe, Ti, and various organic molecules, as well as chemical equations such as 2Fe + SO2 = 2Fe2O3, S2O4^2- = (S2O4^2-), CH3-CH2-CH2-CH3, and E=mc^2. There are also icons of laboratory glassware like flasks and test tubes, and a microorganism. The text 'Concept Design' is prominently displayed in the center of this section in a large, white, sans-serif font.

Concept Design



Process Development

● **Process optimization**

Clone development, expression systems, fermentation recovery, analytical methods development, preparation of research cell bank, optimization of fermentation media, and more.

● **Development of downstream processing**

Purification and formulation. Selection and comparison of unit operations. Determination and optimization of process conditions.

● **Pilot process design**

Bench-top feasibility trials, feasibility tests on Liter scale. Scale-up and further optimization.



Preparations

Preparation of GMP regulatory package (reports, SOPs, Batch records). Process and testing methods qualification/validation.



Equipment and facilities qualification/validation

Feasibility and optimization trials in scalable equipment. Demonstration of technology on a large scale.



First series compounds

First series compounds for application trials, quality control and documentation of pilot data.



Scale-up & GMP production



Facility validation

Run to run and batch to batch consistency. Production of bulk bio-products up to multi ton scale.



Registration

Support preparation of registration file, Allow regulatory inspections. ISO9001 and FSSC22000.



Commercial Manufacturing

Executive team



Meir Azulay

CEO

Mr. Meir Azulay has several decades' worth of experience in process development and manufacturing of biopharmaceutical drugs in Merck-Serono (participated in the development and manufacturing of Rebif, the commercially successful drug for multiple sclerosis). He received his MSc in biochemistry from the Hebrew University of Jerusalem.

Mr. Azulay has founded and managed several startups in the fields of biopharma, food-tech and biotech.



Avraham Laban

CTO

Dr. Avraham Laban has vast experience in drug development, enzyme production, and biochemical analysis. He held research and teaching positions at MIT and Harvard and in Israel.

Dr. Laban co-founded and managed startup companies in the fields of renewable energy, biopharma, food-tech and biotech.



Testimonials

“During the last few years, I worked with BPL on several projects. Meir and his team were very professional and cooperative, and the projects were completed successfully and on-time.”

— Dr. Moshe Baru, CEO, MB Biotech Ltd

“The team works day and night to deliver”
— M.F, Project Manager, Prokaryotic-based expression system

“Highly experienced staff with a wealth of technical knowledge and superior process development expertise”
— N.S., CEO, Cell-based therapeutics company

Why you should choose BPL?

Professional team:

Highly skilled company personnel can assist the client in scientific, technical, and regulatory issues of production at “proof of concept” or commercial levels.

Streaming information:

One contact, one project leader is assigned to each of our customers providing the client with real-time information.

Short delivery time:

We don't have long queues - so you can keep moving forward quickly. Tailoring the project scope and budget to each of our clients.

Pure "Fee for Service" business model:

We don't claim ownership/share in IP created during project development, we don't take any stock options, royalties, or success fees.

BPL Products

BPL has an expanding state-of-the-art enzyme portfolio available for commercial uses.

Newly added, **A one-step RT-PCR test kit**, the full kit for testing specific target (i.e COVID19- viral RNA) which comprise of:

- 1 One step mix (with Hot-start Taq Polymerase)
- 2 RNase inhibitor
- 3 Reverse transcriptase
- 4 DEPC treated water

CONTACT US

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