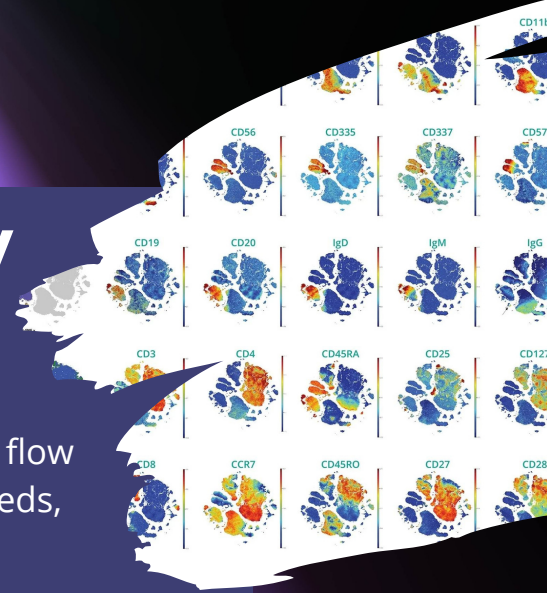


Almog Spectral Flow Cytometry Services

Almog spectral flow unit offers unique high-parameter flow cytometry services for clinical, biotech, and pharma needs, including clinical trials.

Our flow cytometry services are performed on state-of-the-art technologies - the ultra-high parameter spectral flow cytometer - the Cytex Aurora supporting up to 35 parameters in a single panel and the classical high parameter instrument - the MACSQuant 16



Why Choose Us?

We have an extremely unique background! Almog is a local Israeli flow cytometry-focused distributor with more than 15 years of experience in the field.

This has allowed us to gain a unique perspective and experience on all the aspects of flow cytometry - from flow antibodies to the complexity of advanced instrument installation.

We use this knowledge to help our customers better plan their experiments to ensure results and reduce costs.



Aviva Blechman Peretz
Head of Almog Flow Services

Our Advantage:

- Unique knowledge and years of hands-on experience
- State of the art Spectral technology - up to 35 parameters in a single panel
- Advanced sample processing capabilities (tumors, tissue/whole organs, blood, etc.)
- Pre-validated panels for various immune cell populations
- Additional in-vivo/ex-vivo services are available from the AlmogCRO unit

Our approach

A successful flow cytometry experiment starts way before the actual sample acquisition. This is why we provide our customers with a flexible step-by-step model to support different experiment outlines and needs



Step 1: Plan & Design

Working with our customers, we build the experiment outline based on the need and the biological question.

Then we move forward to in-depth planning of:

- # Antibody panels design
- # Experiment controls
- # Gating & analysis strategy



Step 2: Sample Processing

Depending on your starting material, we offer advanced sample processing capabilities including:

#Preparation of single-cell suspension

Using Miltenyi Biotech technology we prepare high-quality single-cell suspension from different starting materials e.g. tumors, organs (spleen, brain, lungs, etc.) whole blood

#Cell enrichment:

When working on rare cell populations or when required for a specific assay, we use the MACS® approach for cell separation or for dead cell removal

#Functional/activation protocols

To create the desired experimental conditions we can perform activation and functional assays such as T cell activation assay etc.



Step 3: Flow Experiment

Once the cells are ready we will execute the experiment :

- # Cell staining
- # Flow cytometer settings & controls
- # Sample acquisition
- # Data analysis
- # Report generation