

# NovoCyte

Flow Cytometer



The Best Value in Flow Cytometry





Focus On Advancing Your Research.

**LET THE  
FLOW CYTOMETER  
DO THE REST.**



# Experience the NovoCyte® Advantage

## NovoCyte Flow Cytometer High Performance Flow Cytometer for Everyone

The ACEA NovoCyte flow cytometer system is a high performance benchtop flow cytometer designed for all level of users and all types of laboratories. This budget-friendly instrument is capable of detecting up to 15 colors with impressive sensitivity and resolution. The customizable laser and optical configuration of NovoCyte offers high degree of flexibility while providing complex cell analysis capabilities. The NovoExpress® software enables intuitive and easy sample acquisition and analysis. It allows simultaneous sample acquisition and data analysis. The NovoSampler® Pro is an optional high throughput system that provides versatility in acquiring multiple sample formats such as single tubes, multiple tubes, 24-, 48-, 96-well plates in a single, simple setup.

### POWERFUL

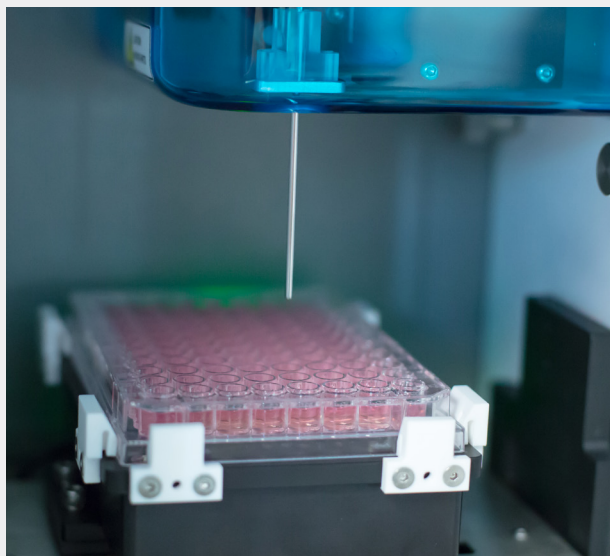
Up to 15 colors detection with enhanced sensitivity and resolution.

### INTUITIVE

Complete acquisition and analysis software providing high level of automation and advanced data analysis capability.

### CUSTOMIZABLE

1 to 3 laser options, exchangeable filters, multiple sampling options and flexible analysis formats.



# Instrument Features

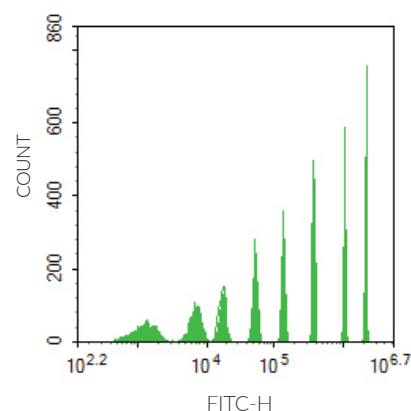
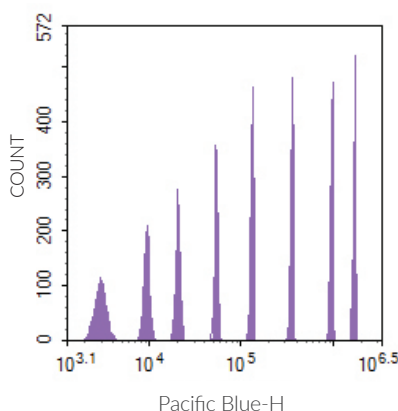
## Load-and-Go, Without the Hassle



- Optimized PMT Voltage & 24 Bit Detection Dynamic Range.
- Provides  $10^7$  dynamic range for signal detection and processing, offering a broader signal range than other flow cytometers.
- Wide range of fluorescence and scattering signal intensities eliminates the need for complicated and laborious PMT voltage adjustment. Data acquisition is simply load-and-go.

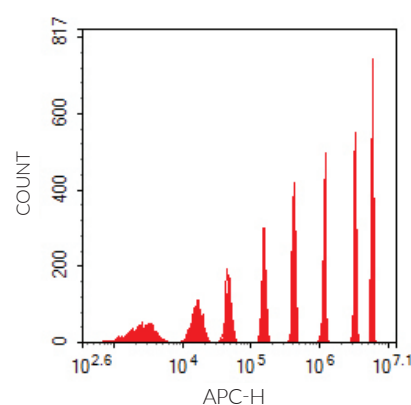
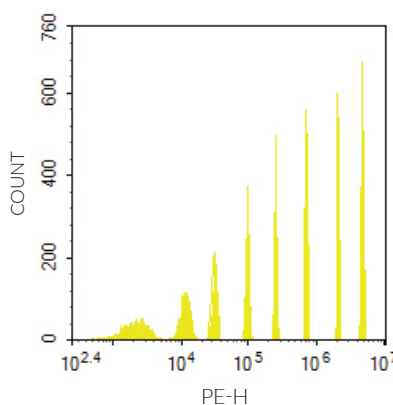
## HIGH FLUORESCENCE SIGNAL RESOLUTION IMPROVES DETECTION ACCURACY

Advanced optical and fluidic system design, premier quality components, and innovative signal processing algorithms collectively ensure accurate extraction of detection parameters with consistently low variation.



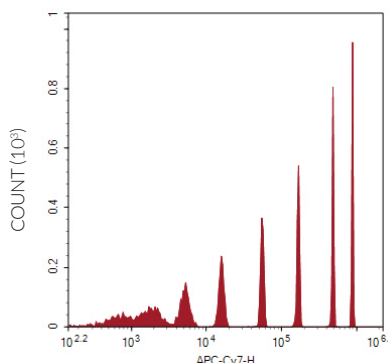
## NOVEL OPTICAL DESIGN AND ENHANCED SIGNAL DETECTION

Patent pending independent beam shaping optics and light collection system maximizes signal detection efficiency, increasing sensitivity and resolution for each fluorescence channel.

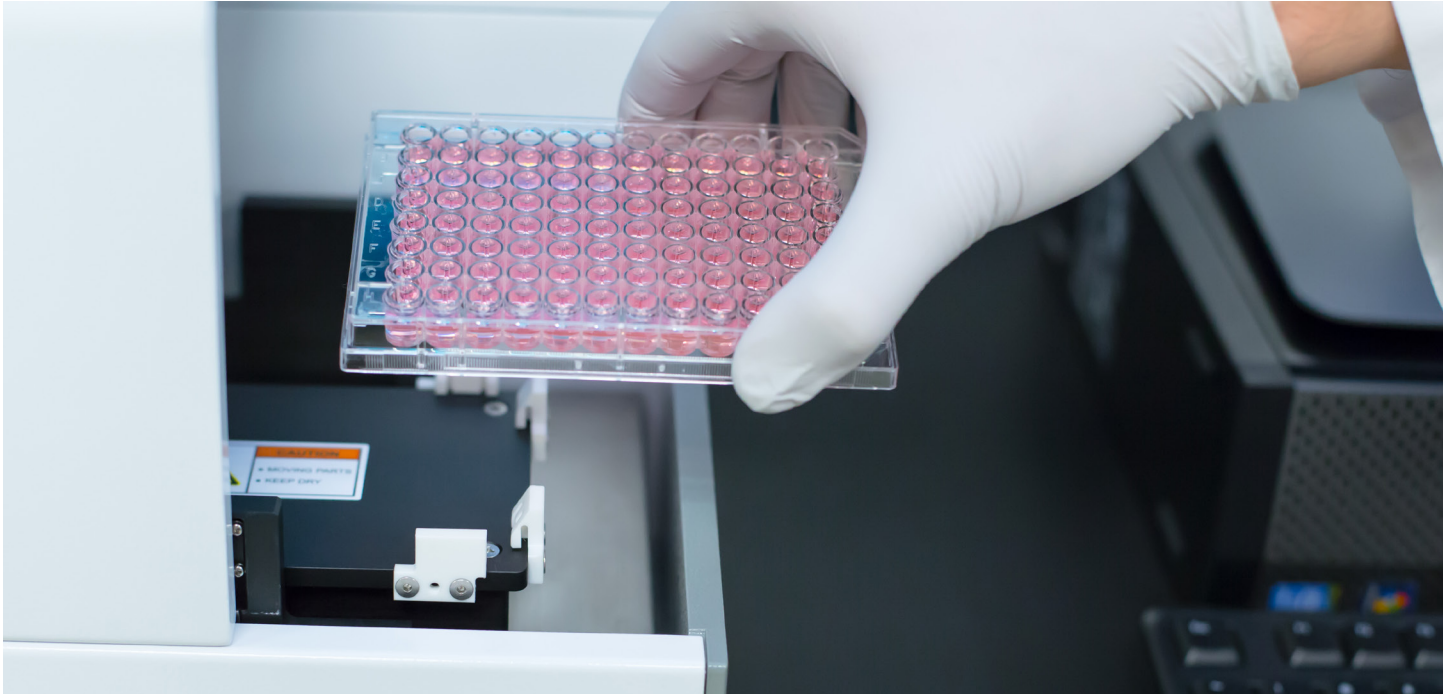


Fixed optical alignment removes need for daily setup and adjustment of optical system, saving time and complicated training effort.

Optimized forward scatter obscuration bar increases sensitivity to enhance small particle detection and resolution.



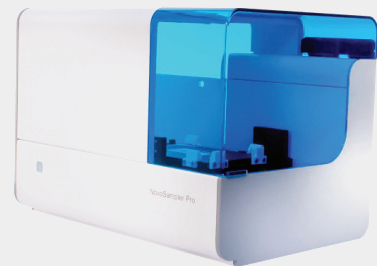
# Automation Capabilities



## High Throughput Capability with NovoSampler Pro

ACEA's NovoSampler Pro is an automatic sample loading system that fulfills the requirements on high-throughput and automated sample acquisition. The NovoSampler Pro seamlessly integrates with the NovoCyte flow cytometer, making it very easy to operate, delivering high-speed analysis and processing performance.

- Walk-away automation and increased productivity.
- Maintains homogeneity and integrity of biological samples
- Simple installation, easy operation, and superior performance
- Programmable vortex-mixing mechanism
- Compatible with various sample formats:
  - 96 well plate (U, V, flat bottom)
  - 48 well plate
  - 24 well plate
  - 24 tube rack
  - Customized plates, tubes, racks

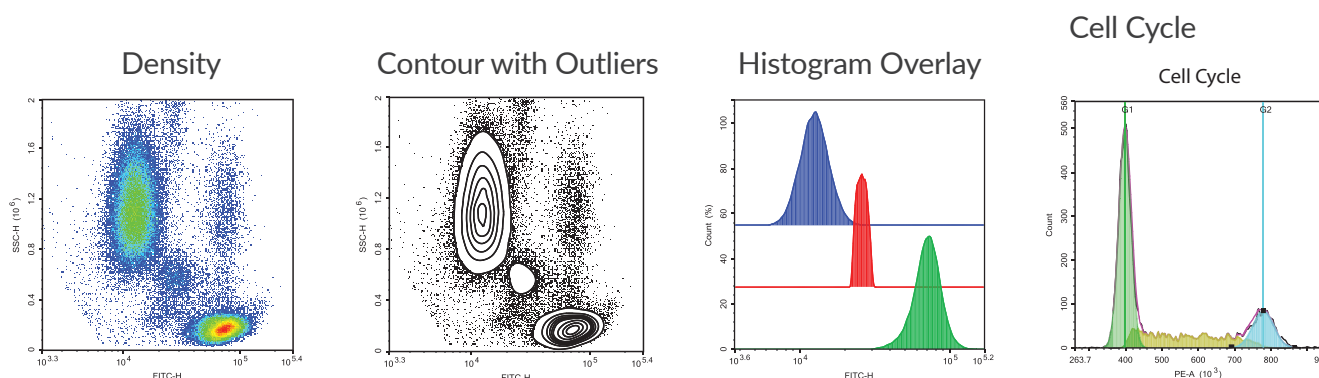


# Software

## The NovoExpress Experience: Simple and Easy

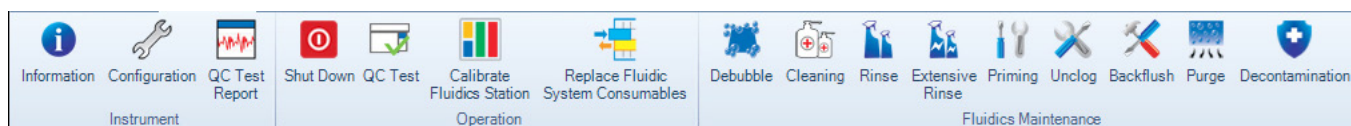
### AUTOMATED & VERSATILE DATA ANALYSIS FUNCTIONS

Powerful NovoExpress software allows efficient data acquisition, data analysis and report generation. NovoExpress provides flexible analysis templates and plotting tools, offering enhanced data analysis efficiency.



### AUTOMATIC FLUIDIC MONITORING AND MAINTENANCE

Adding to the user-friendliness of the NovoCyte system is the automatic fluidic monitoring station and easy to use maintenance icons. There is no need to manually check whether the cleaning or sheath fluids are low or the waste container is full, these levels are automatically monitored and the system will notify the user when action is required. Similarly, routine fluidic cleaning and maintenance procedures can be accessed within the NovoExpress software with a simple click of the icon.



### QC TEST AND QC REPORTS

Embedded within the NovoExpress software is an automatic quality control evaluation. By running one drop of QC particles, every user can determine proper instrument performance and track this performance over time using the automatically generated QC reports. Each time the QC test is run, QC reports are automatically generated and saved for future reference. This ensures proper performance monitoring on not only a day to day basis, but also over long-term use.





## Service and Support

**ACEA Biosciences is fully committed to providing high performance products as well as reliable service and support to customers.**

### PREVENTIVE MAINTENANCE AND EXTENDED SERVICE WARRANTY

It is always a good idea to ensure optimal performance of the ACEA NovoCyte flow cytometer even beyond the original manufacturing warranty period. ACEA offers a variety of service contracts for your peace of mind. Preventive maintenance and extended warranty and service agreements can be offered for periods of up to 7 years. The services and support provided for Extended Warranties are identical to the one-year warranty.

### ACEA NOVOCYTE FLOW CYTOMETER SERVICE AND WARRANTY

In order to ensure customer's long term success with the NovoCyte line of flow cytometers, ACEA is standing by with a technical service and support team, who will provide the knowledge and experience needed for operational excellence of the system.

### TECHNICAL APPLICATION SUPPORT AND TRAINING

ACEA's technical application support scientists are at your immediate reach to provide applications and instrumentation technical or troubleshooting assistance. Highly capable ACEA support team members can provide different level of training packages to ensure smooth operational transition for laboratory staff and users.



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