

## Key Features

### High-Throughput Plate Filling

Efficiently fill either 96 or 384 well plates with precise liquid dispensing, making it ideal for labs of any scale.

### Benchtop-Sized Design

Compact and optimized for laboratory bench space, ensuring ease of integration into any workflow.

### Versatile Pumping Options

PlateFlow can be equipped with up to 2 pumps to meet diverse dispensing requirements. These can be Peristaltic Pump or Syringe Pump

### Custom Protocol Management

Load and execute user-defined protocols via an integrated SD card interface, ensuring flexibility in operation.

### Automated Logbook

Every run is automatically logged—including protocol parameters and user actions—for full traceability and quality control.

### UV LED Disinfection

Enhance lab safety with an optional UV LED module that can be added to minimize contamination risks.

## User interactions

### Intuitive Touchscreen Interface

A user-friendly touchscreen simplifies control and navigation, enabling easy selection and adjustment of protocols during operation.

### SD Card Integration

Quickly upload custom protocols and access stored data using the SD card slot, streamlining setup and routine maintenance.

## Customizable Options

At Biocubik, we recognize that every laboratory has unique requirements. PlateFlow is designed with customization in mind:

### Protocol Flexibility

Users can modify and store their own protocols on the SD card to match specific workflows.



### Hardware Configurations

Choose the pump setup that best suits your application—whether it's the steady flow of a peristaltic pump or the precision of a syringe pump with multiple size options.

### Optional Enhancements

Customize further by adding features such as the UV LED disinfection module to maintain a contamination-free environment.

The Plateflow design is flexible and can be designed to fill 2 or 4 plates

Our team works closely with you to tailor PlateFlow to your exact needs, ensuring that your lab operates at peak efficiency.

## Technical Specifications

Features	Description
<b>Plate Format</b>	Available in configurations for 96 or 384 well plates. Compatible with Deep Well or PCR type plate.
<b>Pump Configuration</b>	Can be equipped with up to 2 pumps.
<b>Peristaltic Pump</b>	Volume range: 100-1000 $\mu$ L.
<b>Syringe Pump</b>	Available syringe sizes: 50 $\mu$ L, 100 $\mu$ L, 250 $\mu$ L, 500 $\mu$ L, 1 mL, 1.25 mL, 2.5 mL, 5 mL, and 12.5 mL.
<b>Protocol Management</b>	User-editable protocols stored on an SD card for quick updates and customization.
<b>Operation Logbook</b>	Automatically records protocols, user actions, and system parameters for complete traceability.
<b>Optional Disinfection</b>	UV LED module available as an optional add-on to support a contamination-free environment.
<b>Unit Design</b>	Benchttop sized for space optimization and easy integration into laboratory workflows.
Maximum Input Power	30 W
Size	33 cm x 25 cm x 22 cm
Weight	5 kg


## Contact Us


We'd love to discuss how the Plateflow can support your work.


For more information, please get in touch:

Jean-Luc Deladrière

Bioengineer, Inventor, CEO

 +32 497 051 900

 [jean-luc@biocubik.com](mailto:jean-luc@biocubik.com)

 Liege Science Park, Avenue du Pré Aily, 10, 4031 Angleur, Belgium

 <https://www.biocubik.com/>