

Life Science Equipment

# BioVue Mini 100

Smart Cellular  
Monitoring



# CELLULAR SMART MONITORING

## Introduction

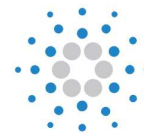
BioVue Mini 100 is an innovative, portable instrument designed for real-time cell growth monitoring. This user-friendly device seamlessly integrates into various cell research applications, including quality control processes. With its advanced technology and compact design, BioVue Mini 100 revolutionizes cellular observation, enhancing efficiency and accuracy in laboratory settings across multiple experimental stages.

## Highlights



### COMPACT DESIGN

Measuring just 175 x 120 x 140 mm, BioVue Mini 100 fits effortlessly into any incubator. This compact size minimizes cell contamination risks and reduces the likelihood of experimental failures, ensuring optimal conditions for cellular research.



### REAL-TIME MONITORING

It provides round-the-clock cell status supervision with quantitative data presentation. Features like real-time growth curves and video backtracking capabilities transform cellular observation, allowing researchers to conduct experiments with unprecedented ease and efficiency.



### INTUITIVE SOFTWARE

The device's software offers automatic image analysis, generating precise quantitative confluence data for reliable experimental results. Users can easily customize cell growth confluence alerts via email, eliminating the need for specialized training and streamlining the research process.



### COST-EFFECTIVE

BioVue Mini 100 offers exceptional value for every laboratory. Compatible with most culture plate brands and requiring no additional consumables, this economical solution provides advanced cellular monitoring capabilities without straining research budgets.



# Application

## Cell growth monitoring

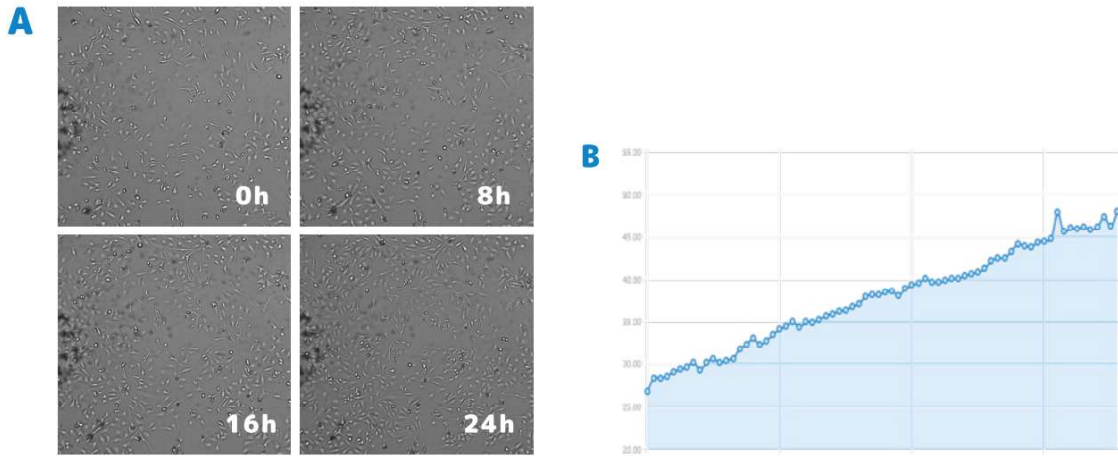


Figure 1 (A) HeLa cell growth monitor (0h, 8h, 16h, 24h). (B) Cell growth curves for 24h

## Wound healing analysis

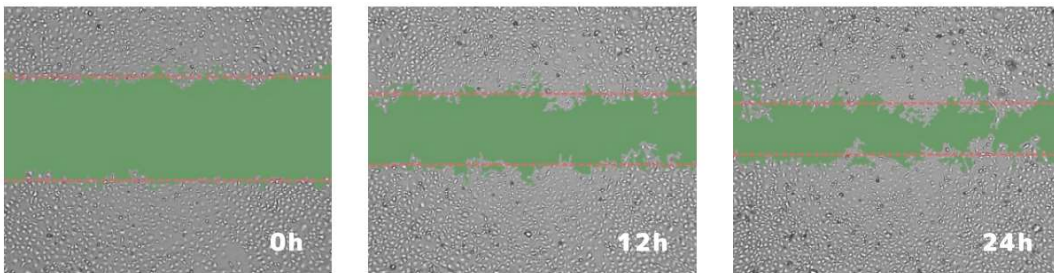
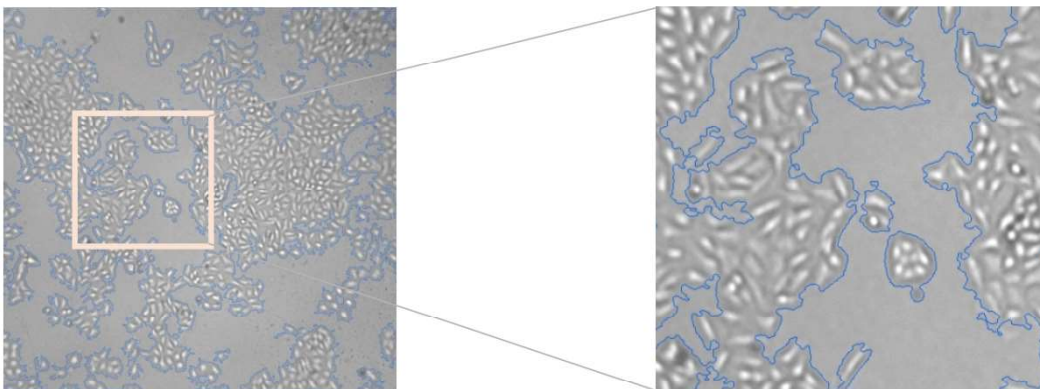


Figure 2 Wound healing (0h, 12h, 24h)

## Cell Confluence analysis



Monitoring of organoid culture



Monitoring of mesenchymal stem cell differentiation



Real-time monitoring of tumor sphere proliferation



Growth monitoring of embryonic stem cells



# BioVue Mini 100

**VIEW  
THE  
FUTURE**



## Powerful Software



Drag-and-drop design with motorized focus adjustment



One-click checkbox to quickly start experiments



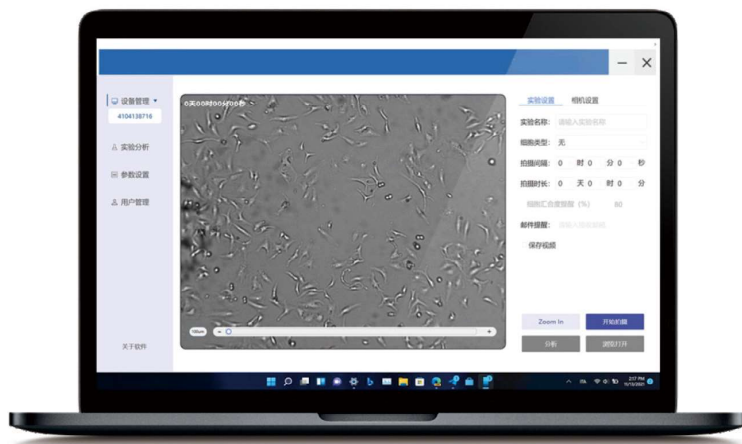
Time-lapse video to track the whole process of cell growth



Email alerts to control cell growth dynamics



Preset cell parameters and customize the workflow will make it easier



## Technical Parameters

|                                     |   |                      |   |  |
|-------------------------------------|---|----------------------|---|--|
| Resolution<br>1.875µm/pixel         | Field of view<br>2.25*2.25mm  | Data delivery<br>USB | Magnification<br>10x 20x (Digital)          | Surface Materials<br>Alcohol / Water resistant |
| Image resolution<br>1200*1200 pixel | Dimensions<br>L175mm / W120mm/H140mm  |                      | Fittings<br>Dish / Flask positioning holder | Export format<br>Tiff / wmv                    |
| Optional Accessories<br>1 laptop    | Recommended computer configuration<br>CPU 4 cores and 8 threads Main frequency 2G+ / RAM 8G+ / Win10 system / USB3.0 * 1+ |                      |   |  |