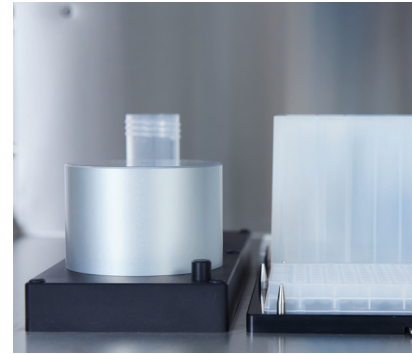
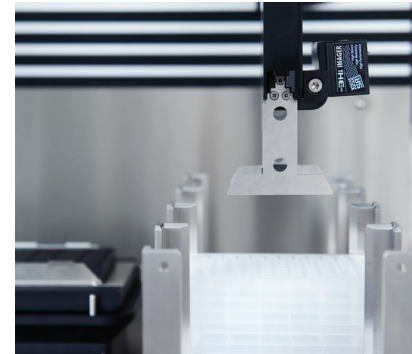


QPatch has been the benchmark automated patch clamp solution for cardiac safety and advanced electrophysiology since 2005. QPatch II builds on the legacy of its predecessor but is completely redeveloped to fulfil the requirements of the efficient ion channel laboratory of tomorrow.

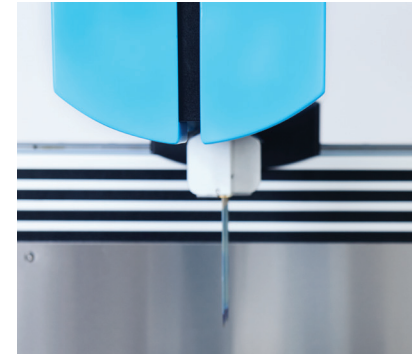
- Faster, easier to use and with fewer cells required providing same proven high-quality data
- The new intuitive user interface reduces human errors and enable easier staff rotation
- 100% correlation to QPatch. No re-validation of assays required



The compact cell hotel and cell preparation station ensures standardization. The compact design allows multiple cell hotel possibilities.



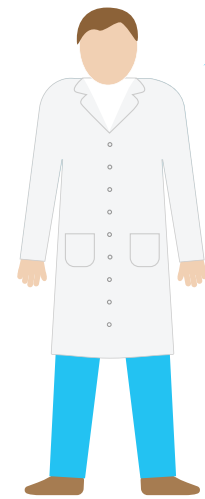
Stacking of plates on the work plane and a barcode scanner on the gripper arm provides faster and more robust assays.



Individual pipetting and pressure system is still the hallmark of the QPatch II operation, ensuring that all wells are handled individually.

We asked ion channel experts worldwide:

*What are the main challenges in your lab today and in the future?*



Pressure to increase laboratory efficiency

Need robust full automation with unattended use

Difficult to find qualified staff

### Fast and robust

Greater flexibility with the intelligent assay scheduler  
Barcode reader on the gripper arm saves time  
New QPlate locking system provides greater QPlate position accuracy  
Embedded QPlate electrodes ensure no electrode drift or maintenance

### CiPA and cardiac safety

Pre-installed CiPA protocols  
Prepared for multiple cell hotels  
Glass coated microchannels reduce compound adsorption

### Optimized cell handling

Patented automated cell preparation unit reduces user variation  
Decreased cell consumption  
Cell lines, stem cells and primary cells  
Automated cell preparation ensures consistency

### All cells treated individually

Individual pipetting and pressure system  
Cherry picking of compounds  
Adaptive whole-cell protocols  
New adaptive 1/2 voltage segment feature

### Service and support

Unrivalled application support  
Trained and certified staff  
Continuous support and training

### True walkaway operation

6 hours or 10 plate unattended runs  
QPlate stacking on the work plane, greater simplicity and robustness  
Saves time for data analysis or assay development

### Ease-of-use equals efficiency

Learn how to operate QPatch II in 10 minutes  
Parallel analysis of data while running  
Enables staff rotation  
Free up time for assay development and analysis

### New core engine with more power

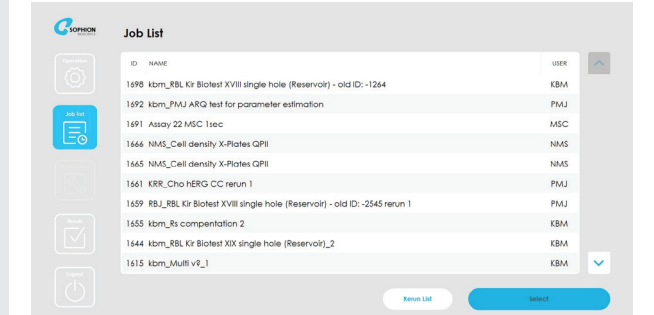
More powerful data engine  
Larger internal memory  
Easy access to USB ports

### Health and safety

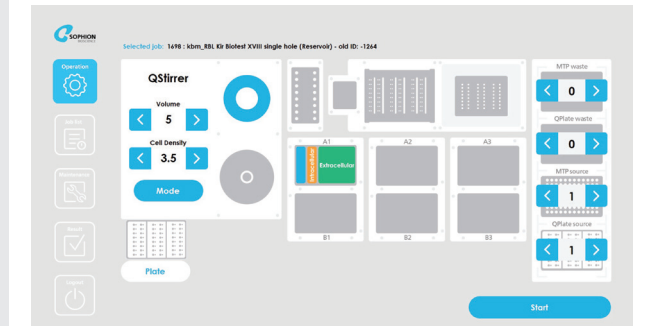
Adjustable height of work plane and touchscreen  
Touch screen on arm or on table  
Full visibility of work plane  
Low waste volume



It takes less than 10 minutes to learn the intuitive user interface and how to operate QPatch II



Reduce human errors using the simple job list overview and re-run possibility



The work plane instructions are simple and easy to follow when setting up your next job



During run informative live view data is displayed along with useful assay information

# QPatch II

AUTOMATED PATCH CLAMP SYSTEM

## Easy to use

Simple and intuitive user interface reduces human errors  
Learn to operate in less than 10 minutes  
Pre-defined assays and re-runs directly from the touch screen

## Efficient

Ease of use enables staff rotation  
Overnight unattended operation  
Automated data analysis and reporting

## Versatile

Proven on all commonly used ion channels  
Use for cardiac safety, profiling or small/medium library screens  
Giga-seal quality without seal enhancer

## Standardized

High reproducibility and repeatability  
Controlled testing environment  
QPatch has been the benchmark for cardiac safety since 2005

## Compliant

Electronic data records compliant with 21 CFR Part 11  
Designed for Good Laboratory Practice (GLP)  
Windows 10 compliant

Cardiac safety

Compound characterization

Medium throughput screening

Advanced electrophysiology

The benchmark solution for cardiac safety and advanced electrophysiology since 2005

