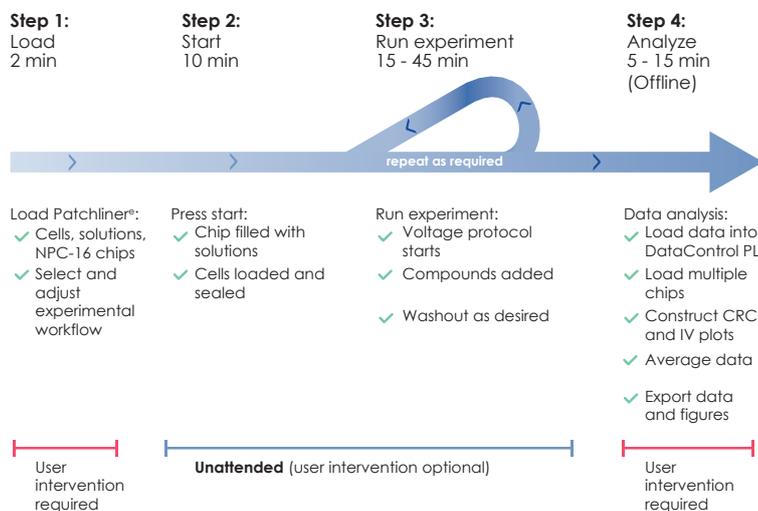# PatchlinerControl
Patchliner^e

Simple, comprehensive experiment setup and data acquisition

PatchlinerControl is a proprietary software for setup of experiments and data acquisition for the Patchliner^e. Fully automated workflows, QC, and real-time data analysis ensure maximum efficiency.

Step 1:
Load
2 min

Step 2:
Start
10 min

Step 3:
Run experiment
15 - 45 min

Step 4:
Analyze
5 - 15 min
(Offline)

repeat as required

Load Patchliner^e:
✓ Cells, solutions, NPC-16 chips
✓ Select and adjust experimental workflow

Press start:
✓ Chip filled with solutions
✓ Cells loaded and sealed

Run experiment:
✓ Voltage protocol starts
✓ Compounds added
✓ Washout as desired

Data analysis:
✓ Load data into DataControl PL
✓ Load multiple chips
✓ Construct CRC and IV plots
✓ Average data
✓ Export data and figures

User intervention required

Unattended (user intervention optional)

User intervention required

Key benefits:

• **Fully automated experiment execution.**

• **Real-time control** and on-the-fly adjustments.

• **Fast, intuitive setup** with predefined commands.

• **Clear, live data visualization** of individual wells.

• **Automated quality control** for reliable data acquisition and analysis.

• **Advanced analysis in DataControl PL:** CRCs, IC/EC$_{50}$, and IV curves with V$_{1/2}$ values.
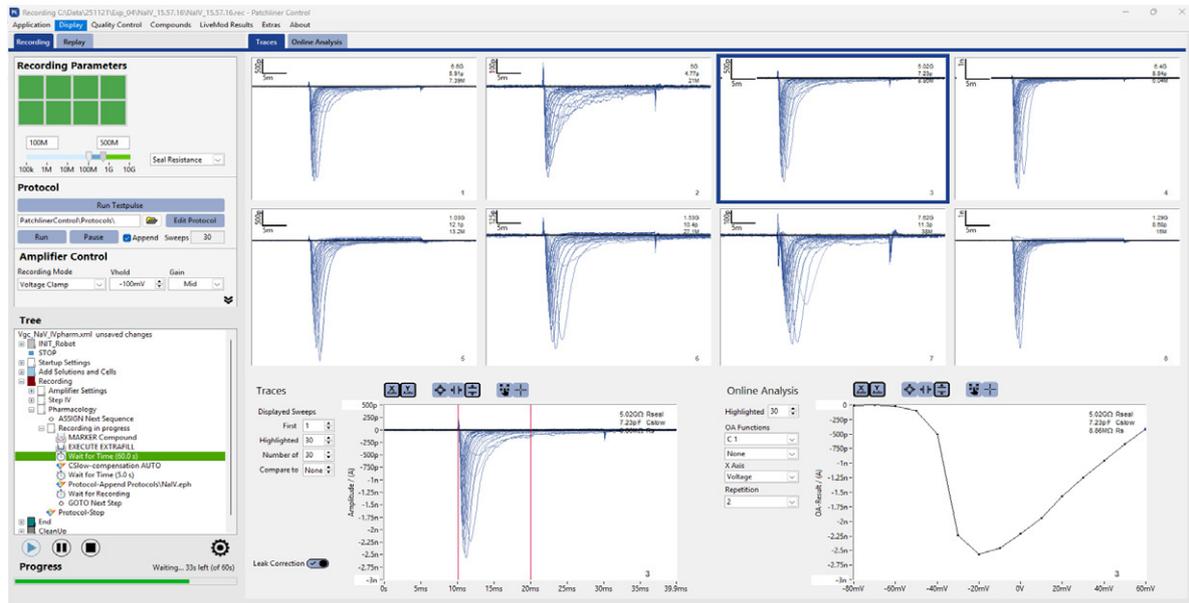
nanion

PatchlinerControl
Easy data acquisition and online analysis

Chip and experiment overview

- Color-coded chip map for quick visualization of success rates.

- Live recording mode plus replay of recorded data.

- Load, edit, and run voltage protocols with ease.

Real-time data overview

- Display active recording or pre-recorded data.

- View all 8 wells at a glance.

- Switch instantly between raw traces and online analysis.

Experiment setup and execution

- Choose from a library of commands for simple yet powerful experiment setup.

- Track experiment progress at a glance at any timepoint.

- Stop, pause, or restart the experiment anytime.

- Make changes on-the-fly during execution.

- Seamless transfer of voltage protocols across Nanion APC platforms.

Quick online analysis

- View real-time analysis for any individual well.

- Select and display the most relevant analysis parameters.

Contact us today

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