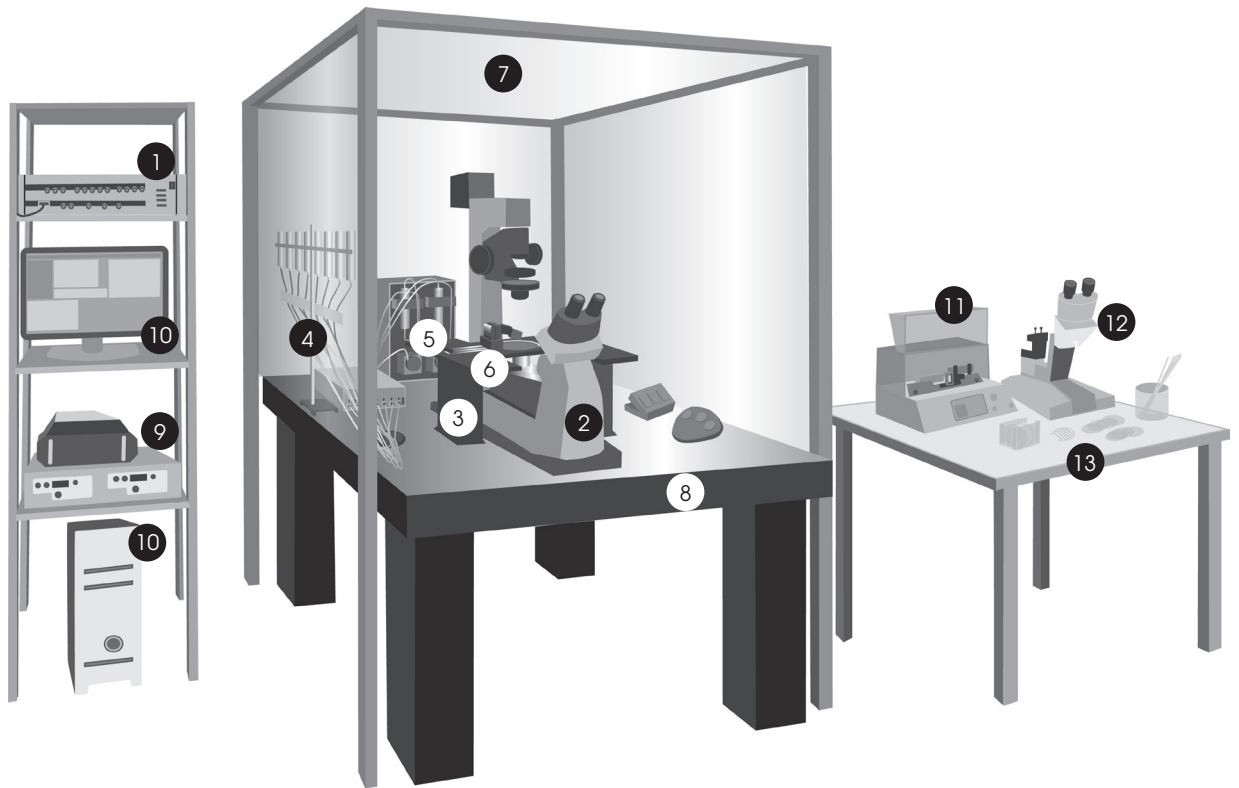


- Get your complete patch clamp setup from a single source
- Any component from amplifiers to accessories
- Well-known brands and products
- Profound expertise and on-site technical support and installation



| | Product | What we recommend |
|---|---------------------------------------|--|
| 1 | Amplifier and data acquisition | <p>HEKA EPC 10 USB Amplifier with built-in data acquisition LIH 8+8, completely software controlled</p> <p>HEKA EPC 800 USB Amplifier can be paired with different data acquisitions; with front panel control</p> <p>HEKA LIH 8+8 Data acquisition, can be paired with different amplifiers</p> |
| <p>Amplifiers measure changes in membrane potential or currents resulting from ion-flux through ion channels. The data acquisition converts analog signals into digital signals. We offer solutions for whole-cell, single-channel, bilayer, loose patch, intracellular voltage recordings and amperometry.</p> | | |
| 2 | Microscope | <p>Inverse Olympus microscope IX73</p> <p>Upright Olympus microscope BX51</p> |
| <p>Microscopes are optical tools to scale up your sample. In cooperation with Olympus and other microscope manufacturers (e.g. Zeiss, Leica), we offer the best solution for your project. For slices, fluorescence, optogenetics, and many more.</p> | | |

| | Product | What we recommend |
|--|--|---|
| 3 | Stage | Warner hybrid stage Available for inverse and upright microscopes from all common brands |
| The hybrid stage offers plenty of space for all your tools like micromanipulators, bath perfusion, etc. It can be operated manually or motorized. | | |
| 4 | Perfusion system/ chambers | Warner six or eight channel perfusion valve control system (VC-6/VC-8) Warner fast-step perfusion system (VC-77SP) Warner chambers: <ul style="list-style-type: none"> • RC-26GLP and PM-1 platform for cultures • RC-27LD and PM-7D platform for slice recording |
| The perfusion system allows a fast and complete exchange of solution (VC-77SP in 20 ms). | | |
| 5 | Pump – vacuum or bath outflow | MCS PPS2 peristaltic perfusion system Warner DWV workstation vacuum system |
| The pumps complete your perfusion or temperature control system. | | |
| 6 | Micromanipulator | Sensapex uM micromanipulator Sutter Trio™ and MP-285 micromanipulators Scientifica PatchStar or MicroStar micromanipulators |
| Patch clamp manipulators are highly precise instruments. They move your patch pipette with nanometer precision. | | |
| 7 | Faraday cage | HEKA table top Faraday cage TMC BenchTop Faraday cage |
| The cage around your patch clamp rig shields noise from interference sources in order to get a perfect signal-to-noise ratio. | | |
| 8 | Table | TMC CleanBench™ |
| An anti-vibration table is required to compensate vibrations which can disrupt your recordings. Even small vibrations in picometer range can break down your seal. | | |
| 9 | Temperature control | Warner dual channel temperature controller (TC-344C) Warner dual channel bipolar temperature controller (CL-200A) Warner in-line heater/cooler (SC-20) Multi-line in-line solution heater (SHM-8) PM series magnetic heated platforms Liquid cooling system (LCS-1 heat exchanger) |
| To run your experiments at a constant temperature or to perform temperature-dependent recordings, we offer reliable solutions to control temperature in both the perfused solution and bath chamber. | | |

| | Product | What we recommend |
|----|--------------------|--|
| 10 | PC/software | <p>Computer with data acquisition and analysis software (pre-installed):</p> <p>HEKA PATCHMASTER/PATCHMASTER NEXT Multi-channel data acquisition software and amplifier control</p> <p>HEKA FITMASTER Analysis software</p> <p>HEKA SmartLUX Imaging software for simultaneous imaging and electrophysiological recordings supporting high-end low light cameras</p> <p>HEKA DocuLUX Camera system with software for visualization and documentation of your samples</p> |

A powerful software to control the amplifier, record and analyze data is a critical tool to produce solid results. We offer you an extensive and flexible software package together with our amplifiers.

| | | |
|----|---------------|--|
| 11 | Puller | <p>HEKA PIP 6 puller</p> <p>Warner programmable pipette puller (PMP-2)</p> <p>Warner programmable pipette puller (PMP-107)</p> <p>Sutter P-1000 and P-2000 G or F</p> <p>UniPix micropipette puller UPL-01</p> |
|----|---------------|--|

The right pipette for your needs is essential for your successful recordings and reliable data. We offer pullers for conventional glass or quartz, for injection or patch clamp.

| | | |
|----|-------------------------------------|--|
| 12 | Microforge-grinding, beveler | <p>Warner microforge-grinding center (MFG-5)</p> <p>Sutter beveler (BV-10)</p> |
|----|-------------------------------------|--|

For polishing, shaping, tipping, bending, beveling, and grinding your micropipettes, we have an all-in-one option: the MFG-5. For sharpening only, we offer bevelers as well.

| | | |
|----|---|---|
| 13 | Capillary/ coverslips/ accessories | <p>Warner coverslip/coverglass</p> <p>Warner slices anchors kits (harps)</p> <p>Warner capillary glass</p> <p>Warner chambers</p> |
|----|---|---|

Source all of the required accessories for your patch clamp project from us.



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