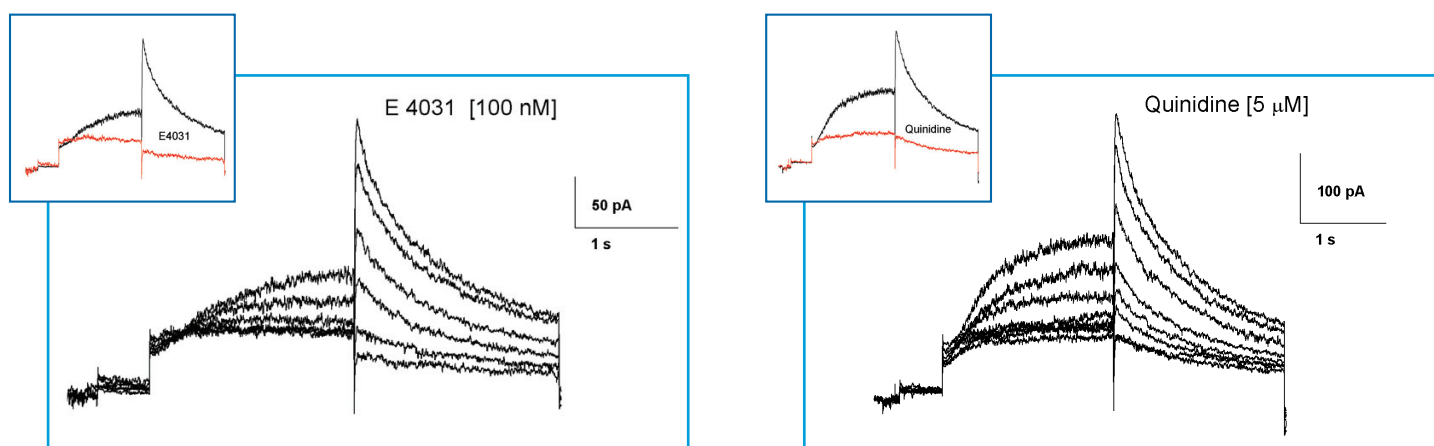


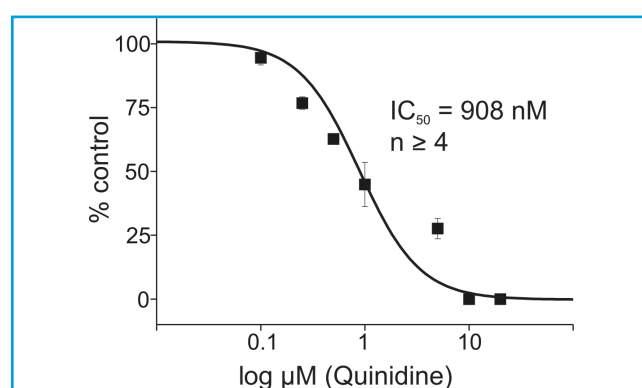
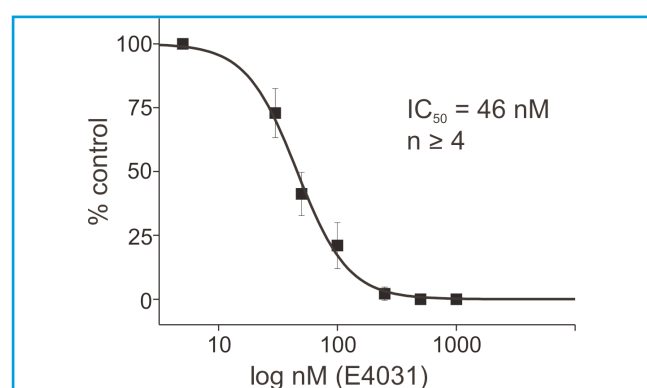
Flyscreen®8500 Automated Patch Clamp

flyion's pipette-based ion channel screening platform, the Flyscreen®8500, leads the revolution in ion channel drug discovery. The robot creates true GigaSeals using the patented Flip-the-Tip® technology and runs completely unattended for several hours in either conventional whole-cell or perforated patch mode. Flyscreen®8500's patch clamp hardware, built around the well-known HEKA EPC-10 amplifiers, together with Flyscreen Suite® software, provides a complete turnkey solution for higher throughput patch clamp needs. flyion's patch clamp robot offers a scalable system that can be operated by nonspecialists and increases productivity per person while at the same time reducing the cost per data point.

flyion is proud to present its automated hERG assay and shows validated data of the reference compounds E4031 and Quinidine.



Figures show families of traces depicting block of the hERG channel by E4031 and Quinidine. Small inserts show control and a high end dose of the compound.



Dose - response relationship of the compounds E4031 and Quinidine. The IC-50 values of 46 nM for E4031 and 908 nM for Quinidine correspond well to published data.

Recording conditions:

30s between traces, holding potential -80 mV, test pulse to -50 mV for 500 ms, to +20mV for 2s, to -50 mV for 2s, peak of the tail current was measured and corrected for leak.