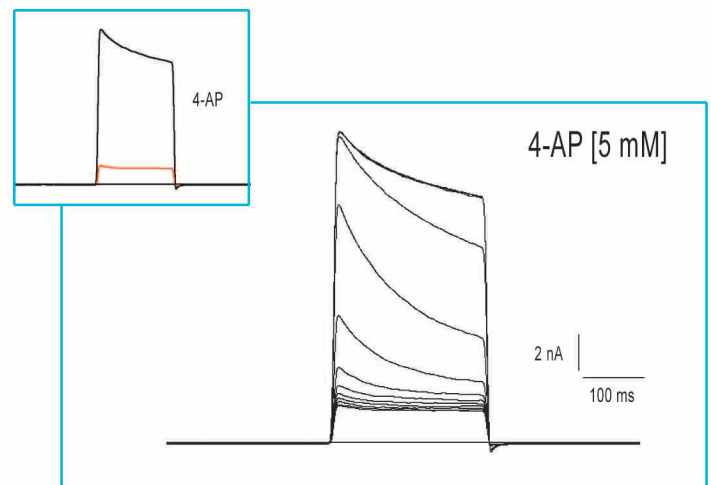
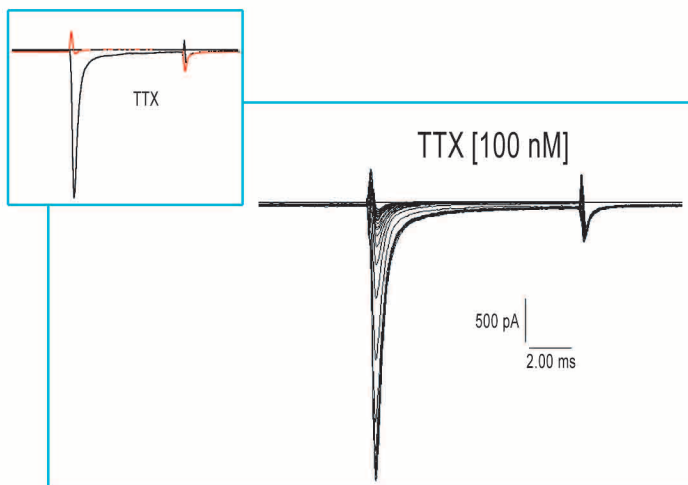


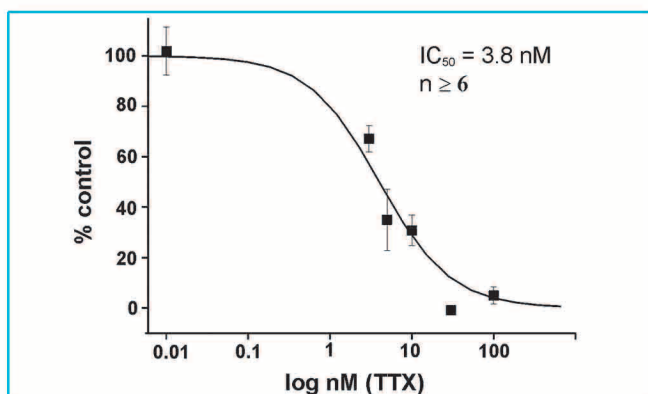
# Automated Ion Channel Screening

## Flyscreen®8500 Automated Patch Clamp

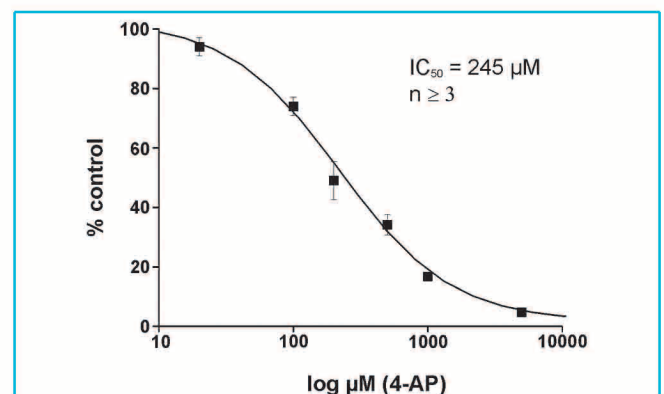
The Flyscreen®8500 robot has been successfully established at leading pharma and screening service companies. The main applications are assay development, secondary screening, lead optimization and expression cloning.



Figures show families of traces depicting the block of a TTX-sensitive brain-type sodium channel and the block of the Kv1.5 potassium channel by 4-Aminopyridine. Small inserts show control and a high end dose of the compound.



Dose - response relationship of the compound TTX.



Dose - response relationship of the compound 4-AP.

### Recording conditions:

The following conditions were used for the sodium channel: HP = -90 mV, depolarization to 0 mV, pulse interval 10 s. The following conditions were used for the Kv1.5 potassium channel: HP = -80 mV, depolarization to +20 mV, pulse interval 30 s.