

Automated Oocyte Recording

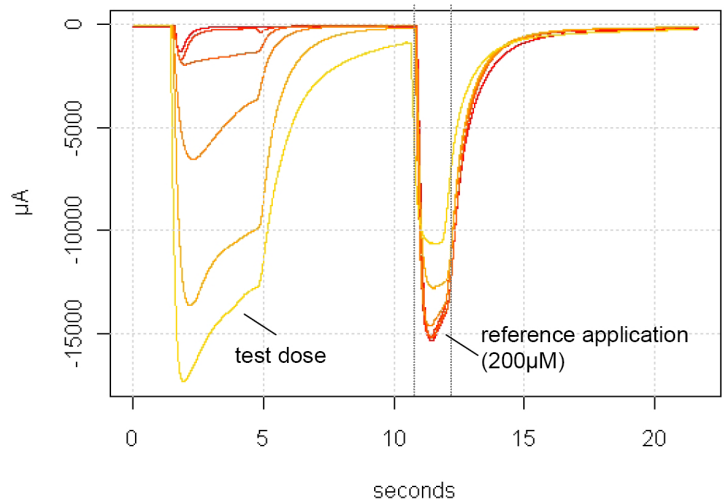
Automated *Xenopus* oocyte assays, implemented on the Roboocyte™ platform, offer high quality voltage clamp electrophysiology for drug screening and compound profiling on ion channel targets.

- The Roboocyte™ provides flexible assays with short development time for drug screening and compound profiling.
- We offer a broad range of ion channels and transporter assays on stem cell-derived cells.

Our assays generally test for potency of compounds in blocking or modulating the target ion channel. Using one oocyte per data point and sufficient compound incubation time, high data quality is guaranteed. Dose response curves are carried out by testing each data point on an individual oocyte.

Advantages

- Customer specific solutions for ion channels and transporters difficult to express in mammalian cell lines
- Support of structure-based drug design
- Analysis of ion channels with mutations in relevant binding regions to study drug binding behaviour



Kinetic of $\alpha 4\beta 2$ AChR expressed in *Xenopus* oocytes stimulated with acetylcholine

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