

Our Ion Channel Laboratory

Rapid, High Quality Ion Channel Screening Delivered to Exceed Your Expectations

Time

hERG data reported
in 4 days

Cost

Affordable patch clamp
electrophysiology

Quality

Experts generating full concentration response
data with complete transparency

Communication

Speak to the ApconiX team, anytime

"Your data turnaround time is incredibly good, and it really helps us to track SAR and progress our compounds in a rapid and efficient manner. Thanks ApconiX for your wonderful supports to Bugworks."

V Balasubramanian, Ph.D.,
Bugworks Research India Pvt. Ltd.

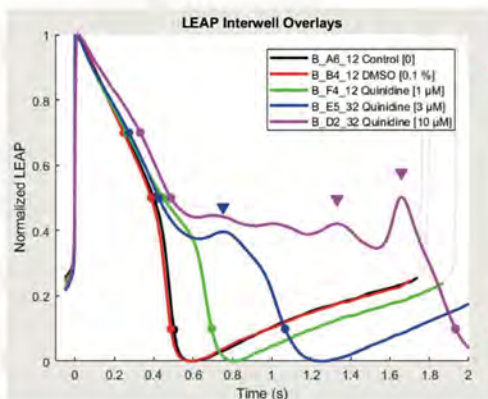


Ion channels play a central role in normal and disease biology

Apconix develop and optimise novel ion channel assays for hit identification, selectivity profiling or mechanism of action studies

hERG and CiPA Liability Testing

hERG and CiPA ion channels tested by automated patch clamp in full concentration response.
Customer flexibility, performed and interpreted by Apconix experts.



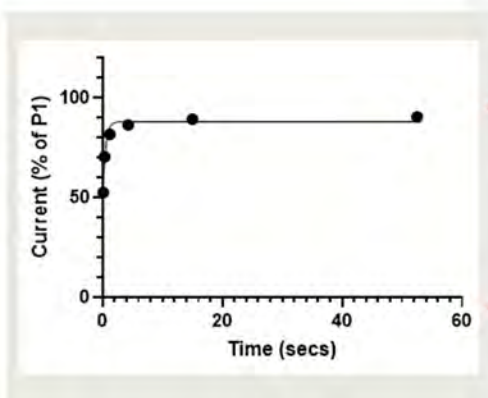
hiPSC Cardiomyocytes

Microelectrode array measurement of action potential duration, contractility and hERG trafficking. The investigation of proarrhythmic risk is reliant on the detection of early after depolarisations (EADs see arrows in figure left).

Non GLP hERG Manual Patch Clamp

Ahead of an expensive GLP hERG study, non GLP hERG manual patch at physiological temperature is a great sense check to avoid unwanted surprises.

We also use manual patch clamp as an investigative tool for hiPSC neurones.



Bespoke Research Studies

hNaV1.5 recovery from block

Automated patch clamp study of snake venom toxins

Find out more about
our Ion Channel Laboratory

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