

Cardiac Ion Channel Panel

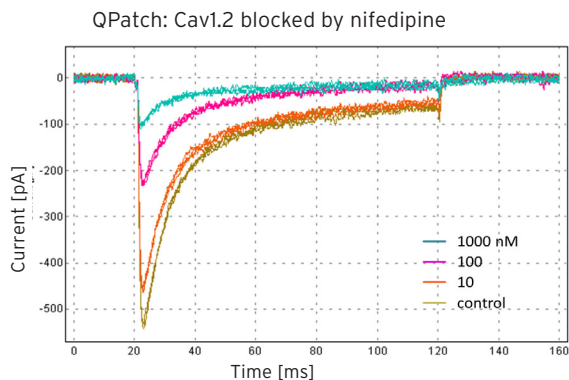
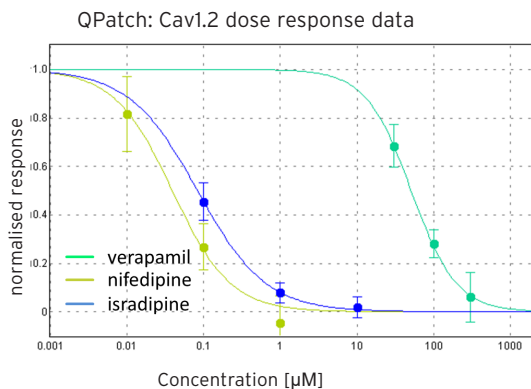
Test our new
Cav1.2
cell line

In line with the currently discussed shift in cardiac safety assessment from a mere hERG screening to a more comprehensive evaluation of multiple ion channel effects we offer a premium panel of CiPA-compliant human cardiac ion channel assays.

Our cardiac safety panel includes the key cardiac channels, thus providing a robust, cost-effective approach to cardiac liability testing.

Cardiac Ion Channels	Function
hERG	delayed rectifier potassium current (I_{Kr})
Cav1.2	L-type calcium current (I_{Ca})
Nav1.5	sodium current (I_{Na})
Kir2.1	inward rectifier potassium current (I_{K1})
KvLQT1/minK	delayed rectifier potassium current (I_{Ks})
Kv4.3	transient outward potassium current (I_{to})
Kv1.5	delayed rectifier potassium current (I_{Kur})

According to your needs in drug testing, we apply high fidelity gigaseal automated patch clamp platforms and/or conventional manual patch clamp for ion channel screening and concentration-response testing.



Our Cardiac Ion Channel Panel services as well as our related Multiwell Cardiac Screen assay using human cardiomyocytes allow a greater insight

into potential cardiac risk, and enable a more effective decision-making in early preclinical development.