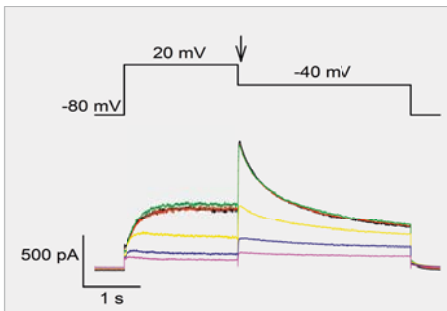


*ALWAYS READY,  
ALWAYS PERFORMING!*

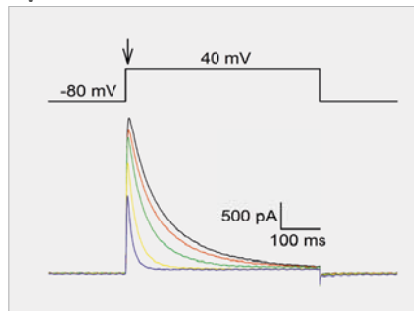
## patch ready CiPA cells

- + assay ready cells of the CiPA panel for cardiotoxicity testing
- + validated for instant use in manual and automated patch clamp
- + no prior cultivation or passaging required
- + reliably high membrane resistance and success rate
- + strong and stable ion channel currents

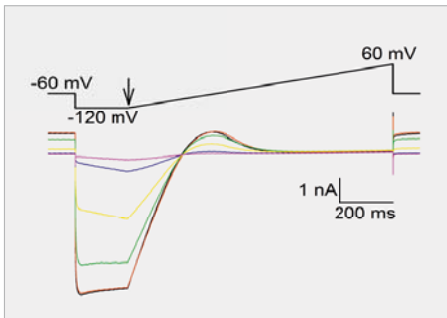
**hERG** blocked by Bepridil



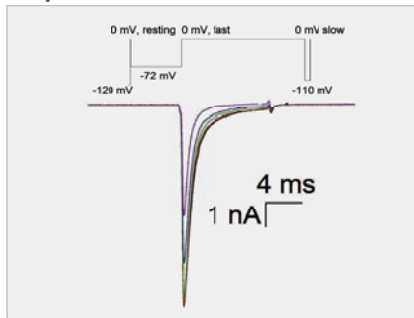
**K<sub>v</sub>4.3** blocked by Mibefradil



**Kir2.1** blocked by Chloroquine



**Na<sub>v</sub>1.5** blocked by Propafenone

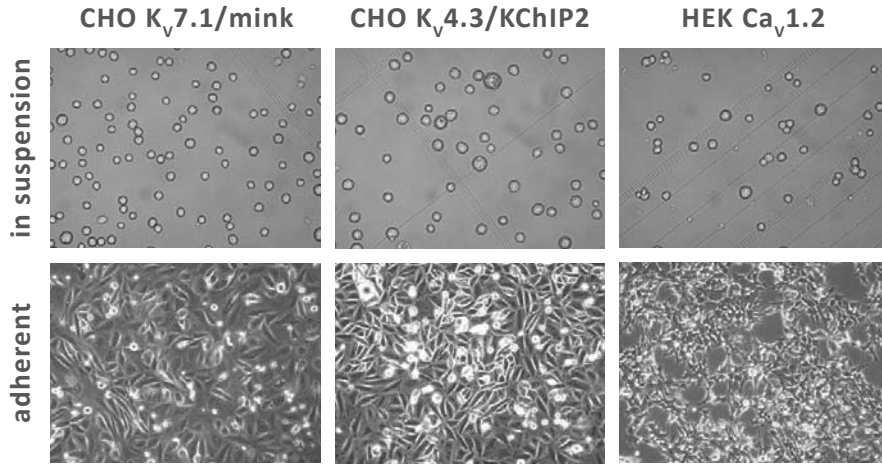


in cooperation with  
**B:SYS**

### ion channel currents in patch ready CiPA cells

patch ready cells expressing ion channels of the CiPA panel were treated with increasing concentrations of specific ion channel blocker. Currents have been recorded in a manual set-up on a EPC-10 (HEKA).





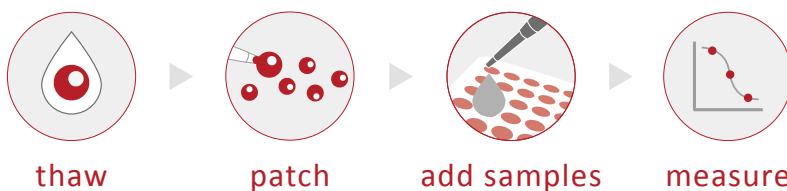
**patch ready CiPA cells after cell recovery**  
 patch ready cells display a low level of aggregation, few debris and a smooth cell surface, optimal for automated patch clamp set-ups. For manual settings the cells adhere quickly with only few dead cells in the supernatant.

cell line	channel subunits	cell line	channel subunits
CHO Kir2.1	KCNJ2	CHO hERG-DUO	KCNH2
CHO Kv4.3/KChIP2	KCND3, KCNIP2	CHO Nav1.5-DUO	SNC5A
CHO Kv7.1-minK	KCNQ1, KCNE1	HEK CaV1.2	CACNA1C, CACNB2, CACNA2D

CiPA panel cell lines available in patch ready format

## make your life easier

- + safe laboratory resources, no maintenance cell culture required
- + obtain reproducible results from reliably performing cells
- + flexibly schedule your assay, cells are instantly available at any time



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