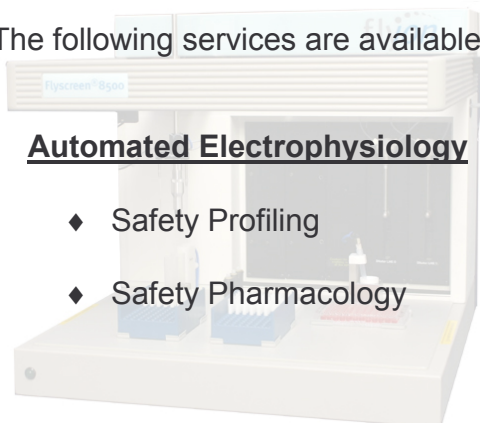


## hERG - Safety Assessment

flyion GmbH, the leading provider of glass pipette-based automated patch clamp technology, offers unique electrophysiological services to the life science industry.

Located in Tübingen, Germany, flyion GmbH provides fast, confidential, and customer specific solutions for in-house hERG screening.

The following services are available:



### Automated Electrophysiology

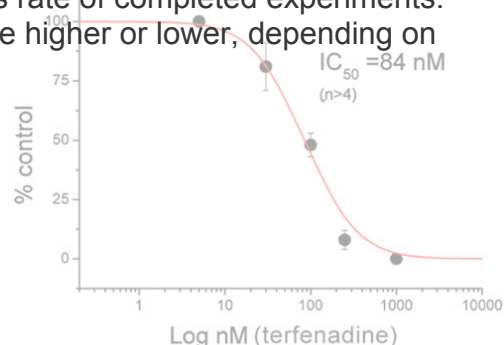
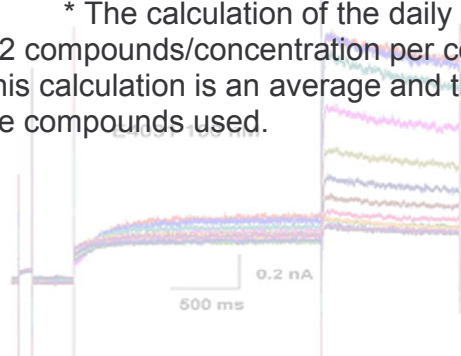
- ◆ Safety Profiling
- ◆ Safety Pharmacology

Compound	flyion APC		Reference Data Manual Patch (Lit.)	
	IC-50 [nM]	Rank-Order Potency	IC-50 [nM]	Rank-Order Potency
Cisapride	28	1	24	1
E-4031	41	2	34	2
Terfenadine	84	3	35	3
Verapamil	118	4	143	4
Quinidine	889	5	915	5
Propafenone	1060	6	2000	6
Amitriptyline	6900	7	4600	7

### Throughput\*

- ◆ 4 operational Flyscreen®8500 APC robots
- ◆ 192 ChipTips generate 288 data points per day
- ◆ 288 data points result in 16 IC/EC - 50 curves per day (6 point dose/response, n=3)

\* The calculation of the daily throughput is based on the following assumption: 1 control + 2 compounds/concentration per consumable; a 50% success rate of completed experiments. This calculation is an average and the actual throughput can be higher or lower, depending on the compounds used.



For more information and a price quotation please contact flyion at: [services@flyion.com](mailto:services@flyion.com).

flyion's pipette-based ion channel screening platform, the Flyscreen®8500, leads the revolution in ion channel drug discovery. It uses an elegant concept, the capture of a target cell inside a glass tip, to automate and simplify a process that has hitherto required highly skilled technicians. Exceptional staff in the field of molecular biology and neuroscience, combined with pharma networking and business-oriented managing skills provide an excellent framework for the prospective clients.