

**Cell Lines:**

flyion offers a variety of ion channel targets expressed in a CHO cell line. The focus of this service was to provide stable cell lines with an inducible target. Thus the problem of overexpression or cell toxicity by constant ion flux can be overcome. Every target has been thoroughly validated by electrophysiological means.

The following cell lines are available and additional targets can be made upon customer's request.

**Targets in CHO cells**

- ◆ hERG
- ◆ Kir2.1
- ◆ KCNQ1
- ◆ Slo1\_BK
- ◆ Nav1.1

**Molecular Biology**

- ◆ cDNA-cloning of ion channels targets
- ◆ Generation and characterization of stable transfected cell lines
- ◆ Generation and characterization of stable transfected, inducible cell lines

**Customized Assay Development for electrophysiological HTS applications**

- ◆ cDNA-cloning of customized ion channels targets
- ◆ Generation and characterization of a stable transfected / inducible cell line
- ◆ Adaptation and optimization of cell lines for electrophysiological HTS

For information on a specific cell line 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.