



## KITOXAN®

The first natural library of venom fractions for Drug Discovery Screening

### A Unique Collection

■ **KITOXAN®** is a unique library of venom fractions available in 96-well plates for Discovery research and medicinal biochemistry.

Venoms have been first cleared from molecules over 8.500 Da (cytotoxic enzymes). On the basis of its HPLC chromatogram each venom has been split up in 20 fractions.

Each fraction is expected to contain 5 to 10 peptides at a 10 µmolar concentration in 100µl. Separation of peptides on HPLC basis makes easier the identification of the active peptide once a hit is detected.

Each well-plate is filled with 4 venoms, 80 fractions, and about 500 different peptides in total.

■ Natural molecules active on many pharmaceutical targets.

Venoms have been cleared from enzymes and peptides separated for an easier hit detection.



#### ■ Product Documentation

Each venom is documented with :

- **HPLC Chromatogram** with peak references and indication of cut-offs per well.

- **MALDI-TOF** mass spectrum and list of major molecular masses detected.

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■ **KITOXAN®-V01** is the first set of well-plates introduced on the market under the KITOXAN® label. It is a set of five 96-well-plates, Polypropylene, U shape, sterile, 128\*86\*14mm, 0.5 ml wells

References	Description
ELA-1	<b>Elapid Snakes :</b> <i>Dendroaspis angusticeps, Dendroaspis polylepsis polylepsis (Mambas), Naja nivea, Naja annulifera (Cobras).</i>
CRO-1	<b>Crotalid Snakes :</b> <i>Calloselasma rhodostoma, Crotalus atrox, Crotalus adamanteus, Agkistrodon piscivorus conanti.</i>
VIP-1	<b>Viperid Snakes :</b> <i>Echis ocellatus, Bitis gabonica gabonica, Cerastes cerastes, Bitis arietans</i>
SCO-1	<b>Scorpions :</b> <i>Parabuthus transvaalicus, Leiurus quinquestriatus hebraeus, Buthus occitanus mardochei, Opisthophthalmus wahlbergii.</i>
AMS-1	<b>Amphibians &amp; Spiders :</b> <i>Bufo bufo, Bufo viridis, Bufo caucasicus, Argiope lobata.</i>

In total **KITOXAN®-V01** represents over 2500 natural peptides separated in 400 freeze-dried fractions from 20 different venoms.

■ Very soon, a source of more than 15'000 molecules to be discovered with high therapeutic potential. A list of 80 venoms in 20 standardized well-plates. All to be expanded with a capacity to supply custom made well plates of over 150 venoms with fractions grouped by: Taxonomy, Molecular weight, Expected type of activity...