

Neuroscience Services

IN VITRO PHARMACOLOGY AND TOXICITY

VectorB2B provides functional screening of test materials in a variety of standard cell culture models including primary neurons from different species as well as cell lines. We are also able to develop custom-tailored 3D cell culture systems using hydrogels with distinct degrees of stiffness that can be coated with any extracellular matrix protein(s).

IN VITRO SERVICES

- ▶ Cell survival/Cell death assays
- ▶ Phenotypic assays
- ▶ Immunoassays (including Bioplex)
- ▶ Metabolomic and proteomic analysis
- ▶ Cell imaging (including high throughput)
- ▶ Electrophysiology assays (patch-clamp and extracellular recording)
- ▶ *In vitro* blood-brain barrier testing

IN VIVO PHARMACOLOGY AND TOXICITY

RODENT DISEASE MODELS

- ▶ Alzheimer's disease
- ▶ Parkinson's disease
- ▶ Autism spectrum disorder
- ▶ Multiple sclerosis
- ▶ Amyotrophic lateral sclerosis
- ▶ Epilepsy
- ▶ Development of custom models

IN VIVO SERVICES

- ▶ Preclinical Imaging (MRI, PET, and SPECT)
- ▶ Phenotypic screening and behavioral assessment
- ▶ Histopathology and immunohistochemistry
- ▶ *In vivo* electrophysiology
- ▶ *In vivo* blood-brain barrier testing





OUR MISSION

VectorB2B aims to enable the discovery and development of new therapies, by offering a range of comprehensive services and expertise to clients in the biotech, pharmaceutical, and academic sector. We earn our clients' trust by offering the best services, tailored to your specific needs.

WHY US?

We offer a low-risk “one-stop shop” for large- or small-scale projects, made possible by the depth of experience and the expertise of VectorB2B scientific team. VectorB2B will deliver high-quality custom or standard drug discovery solutions on time and budget.

CONTACT US

Our team is looking forward to meeting you and discussing the most efficient way to achieve your program goals



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VectorB2B-Drug Development



VECTOR ^{B2B}

DRIVING FORCE
in drug developing services