



InterVivo Executive Summary – Alzheimer’s Association Small Company Consortium

Introduction

InterVivo Solutions is an integrated drug discovery CRO with the aim of improving the clinical success of new drugs by offering translational models and transformative research services. InterVivo is committed to help overcome the challenges of Alzheimer’s drug discovery and development, by leveraging its expertise, tools, resources and networks. In addition to standard fee-for-service engagements, InterVivo seeks innovative value-driven collaborations involving resource sharing, multi-stakeholder and adaptive protocols, as well as in-sourcing and shared-risk agreements.

Research Focus

The Aged Beagle Model of Alzheimer’s Disease Progression is the cornerstone of InterVivo’s service offering. As a ‘naturalistic’ model, the age-related cognitive dysfunction and associated pathology in beagle dogs offers the most valid construct of sporadic AD, mimicking the clinical progression of the disease and thus enabling comprehensive acute and longitudinal investigations to help validate and rationalize clinical trial designs.

In addition to the aged beagle, rodent models for efficacy testing include cognitive function, pain, epilepsy, obesity, addiction, and Parkinson’s disease. Furthermore, efficacy testing is integrated with rapid bioanalytical support and sophisticated drug metabolism and pharmacokinetics models including serial CSF and plasma collection and intracerebral microdialysis in conscious rodents.

Capabilities

- Non-GLP Efficacy, Safety and Pharmacokinetics studies in Mice, Rats, Hamsters, Guinea Pigs, Cats and Dogs.
- Rapid Throughput LC-MS/MS Bioanalytical Method Development including Metabolite Profiling.
- 50 Scientific and Support staff (direct and indirect), and 2 purpose-built non-GLP lab facilities totaling > 32,000 sq.ft. Certified by the Canadian Council on Animal Care (AALAC equivalent).
- Expansive network of drug discovery professionals and service providers.

Collaboration Opportunities

Academic: pre-competitive proof-of-concept validation, research collaborations.

Biotech: Resource brokering/sharing, multi-stakeholder protocols (shared costs), shared-risk and partnering agreements.

Large Company – Co-development, in-sourcing, shared risk agreements.

CRO – Co-development, resource sharing.