



## CNS DISEASE MODELS

Pharmaseed provides a comprehensive array of translational research and development services, from early-stage R&D to first-in-man. Our state-of-the-art GLP-accredited laboratories and animal facility are well equipped to address the needs of all developmental stages of pharmaceutical, medical device and biotechnology products.

With more than 200 years of accumulated experience in basic and applied science, Pharmaseed is your preferred choice of R&D partner.

### DISEASE MODELS

#### PARKINSON'S DISEASE

- 6-OHDA
- MPTP
- ROTENONE

#### ALZHEIMER'S DISEASE

- DRUG-INDUCED CHOLINERGIC DEPLETION
- CHRONIC AMYLOID  $\beta$  PROTEIN INFUSION
- PS/APP TRANSGENIC MICE

#### VASCULAR DEMENTIA

- STROKE-PRONE SPONTANEOUSLY HYPERTENSIVE MALE RATS
- 2/4 VESSEL OCCLUSION

#### STROKE AND CEREBRAL ISCHEMIA

- PERMANENT/ TRANSIENT MCA OCCLUSION, DISTAL AND PROXIMAL MODELS AND THROMBOEMBOLIC STROKE
- GLOBAL BRAIN ISCHEMIA
- CEREBRAL HEMORRHAGE

#### TRAUMATIC BRAIN/ SPINAL CORD INJURY

- WEIGHT DROP CONTUSION
- CONTROLLED CORTICAL IMPACT INJURY

#### EPILEPSY

- KAINIC ACID
- PENTYLENETETRAZOLE (PTZ)

#### SCHIZOPHRENIA

- DRUG INDUCED MODELS (AMPHETAMINE, APOMORPHINE, KETAMINE)

#### MULTIPLE SCLEROSIS

- MOG
- PLP
- SPINAL CORD HOMOGENATE

#### ANXIETY

### BEHAVIOURAL TESTS

#### LOCOMOTOR ACTIVITY

- OPEN FIELD
- ACTIVITY BOX

#### MOTOR COORDINATION AND FUNCTION

- ROTAROD
- POLE TEST
- BEAM WALKING
- GRID WALK
- BALANCE TEST
- ROTOMETER
- CIRCLING MEASUREMENT
- GRIP STRENGTH
- AKINESIA

#### SENSORY MOTOR ASYMMETRY

- STEPPING TEST
- STAIRCASE TEST
- BAR TEST
- TRAY REACHING
- SUNFLOWER SEED TEST
- CYLINDER TEST
- ADHESIVE REMOVAL TEST
- PELLET REACHING
- TRACE CONDITIONING

#### MEMORY AND LEARNING

- PASSIVE/ ACTIVE AVOIDANCE
- OBJECT RECOGNITION
- SOCIAL RECOGNITION
- T-MAZE
- RADIAL ARM MAZE
- MORRIS WATER MAZE
- FEAR CONDITIONING

#### ANXIETY, SCHIZOPHRENIA AND DEPRESSION

- PRE-PULSE INHIBITION (PPI) CHAMBER
- ELEVATED PLUS MAZE
- TAIL SUSPENSION

### CONTACT

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