



Scantox's well characterized and validated in vivo rodent models are useful tools to push your CNS drug discovery to the next level. We are happy to support your research activities with sample material from our biobank containing various specimen derived from several in vivo models. Different samples such as brain tissue, CSF, and plasma of transgenic and non-transgenic animals of relevant age groups are readily available.

Scantox holds one of the largest rodent tissue biobanks, an indispensable tool for neuroscience research. They provide valuable resources for scientists studying disease mechanism and biomarkers relevant for their early drug development processes, while at the same time fulfilling 3R principles. Thus, our biobank helps prioritizing animal welfare while advancing pharmaceutical innovations.

## Tissue of the following models is readily available:

**Alzheimer's disease and Tauopathies:** 5xFAD mice, APP<sub>SL</sub> mice, APP<sub>SL</sub>xhQC mice, hTau mice, PS19 mice

**Parkinson's disease:** Line 61 mice, LRRK2 rats

**Rare diseases:** TDP43 mice, NPC1<sup>-/-</sup> mice, 4L/PS-NA mice, Pompe 6<sup>neo</sup> mice, GBA-D409V mice, zQ175 mice, Col4A3<sup>-/-</sup> mice

Next to standard tissues, model-specific tissues, such as liver of NPC1<sup>-/-</sup> mice or kidneys of Col4A3<sup>-/-</sup> mice, are readily available or upon request.

## Special samplings:

If your research requires samples of our models such as **special brain regions or organs** that are not readily available in our biobank, we can usually provide these tissues upon request.

In addition to tissue samples from rodent models bred at Scantox, we can sample tissues of any **commercially available rodent model**, including but not limited to BTBR mice, Fmr1-KO mice, SOD1 mice and rats, SAMP8 mice.

Scantox routinely uses **induced models of various diseases** in mice and rats, such as the scopolamine model of Alzheimer's disease, the AAV2 hA53T- $\alpha$ -syn, MPTP and 6-OHDA models of Parkinson's disease, the CBE model of Gaucher disease, the MK-801, amphetamine and phencyclidine models of schizophrenia, the LPS model of neuroinflammation, the cuprizone and EAE models of multiple sclerosis, the AAV9-hTDP-43 model of amyotrophic lateral sclerosis as well as the CCl4 model of liver fibrosis. Tissues of these models can be sampled upon request.

Can't find what you are looking for? Contact us to discuss alternative options that fit your needs.

