

GENOMICS

SAGE® Transgenic Services



Leave your animal model management to Horizon's experts

From custom *in vivo* model generation to colony expansion, maintenance and cryopreservation services, Horizon delivers transgenic support services backed by top researchers, biosecure facilities and best practices in animal husbandry.

With our Transgenic Support Services (TSS), you can focus on your next breakthrough and leave the animal model management to a trusted resource.



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horizon
genomics

Breeding and Cryopreservation

Horizon offers comprehensive breeding and cryopreservation services to help you focus on your research and protect your investment.

Breeding Services
Cohort breeding
Colony maintenance
Colony expansion
Genotyping
Health monitoring

Embryo services
Cryopreservation
Cryo storage
Live birth embryo QC
Rederivation
Revitalization

Blood and Tissue Sampling

Horizon offers blood and tissue sampling from your research model—save on shipping charges and receive just the samples you need.

Whole blood, plasma, and serum sampling
Rat or mouse
Terminal or survival
Wide variety of collection tubes available

Standard tissues available
Liver
Brain

Expression Analysis

Assess the expression of your gene of interest at the transcript, protein or entire transcriptome level with our expression analysis services:

Western blotting

qRT-PCR

RNAseq

SAGEport Drug Transporter Assays

We've harnessed our unique transporter knockout rat models to provide a complete assessment of transporter activity.

Included:

- n = 4 transporter knockout rats (P-gp, Bcrp, or Mrp)
- Dosing via IV, IP, PO, or SC routes
- Sampling via carotid or femoral artery catheter
- Discrete serial CSF and blood/plasma sampling in the same animals
- Dosing and sampling of 8 standard time points up to 24 hours post-dose

fMRI Imaging

Awake-animal imaging services are now available for your SAGE rat or mouse model.

- Baseline phenotyping
- Interrogation of circuits involved in olfaction, pain, fear, aggression, etc.
- Response to your novel compound (pMRI)
- Kidney, and nearly 40 other tissues

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