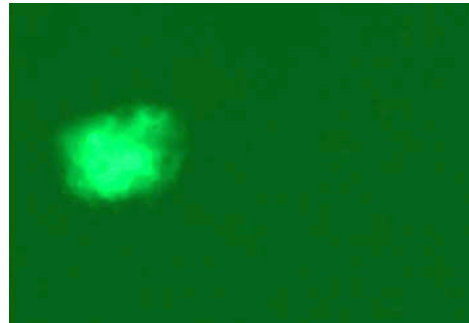
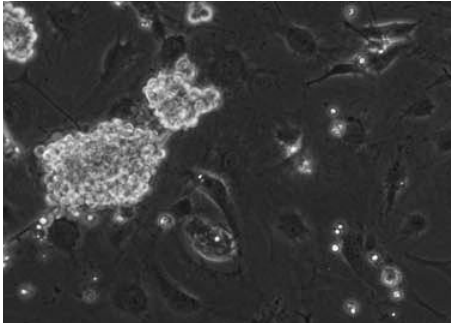




Transposagen
Better Models. Better Results.™

CUSTOM GENETICALLY MODIFIED RAT MODELS

GENETICALLY MODIFIED SSCs



TRANSPOSAGEN'S PROPRIETARY SPERMATOGONIAL STEM CELL (SSC) TECHNOLOGY

Spermatozoa are produced from spermatogonial stem cells (SSCs) through the developmental processes called spermatogenesis. SSCs are easily genetically modified with many technologies such as transposons and site-specific nucleases. Genetically modified SSCs are then used to produce knockout and transgenic rats.

ADVANTAGES OF TRANSPOSAGEN'S SSC TECHNOLOGY

- Fastest method to produce genetically modified animals
- Heterozygous breeding pair in 5 months
- Guaranteed germline transmission
- Founders delivered with health quality standards directly from approved breeders
- Nearly unlimited cargo capacity: 100kb+ insertions
- Multiple co-segregating transgenes in one step
- Known transgene copy number and insertion site
- Reduce the number of animals used per project from 335 to 22

CUSTOM RAT MODELS AVAILABLE

- Constitutive Knockout
- Conditional Knockout
- Knock-in
- Humanization
- Transgenic
- Inducible Transgenic

BOTH INBRED AND OUTBRED STRAINS AVAILABLE

