



Custom CRISPR Zebrafish Models to Study Human Disease

We design, build, and deliver zebrafish lines optimized to your specifications. To understand gene function, basic biology, and more precisely model human diseases, CRISPR/Cas9 knock-in techniques are used to create zebrafish genetic models.

Our team of experts can help you design your next disease model to your precise specifications using CRISPR techniques, whether you need to delete a gene or a portion of a gene, or model a patient variant. Our expertise in design and workflows can help reduce variabilities in generating lines and avoid repeating mistakes.

**CHECK OUT OUR ZEBRAFISH
RESOURCE CENTER**



OUR EXPERTISE IN NUMBERS

25+

Combined Years of
CRISPR Experience



100+

Mutations Created



80+

Genes Modified

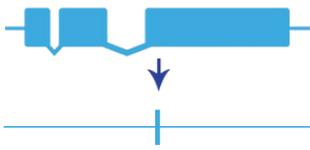


100+

Projects Delivered



TYPES OF EDITS



CRISPR Knockout

Disrupt or delete integral domains in the coding sequence of a gene. Commonly used to study gene function.



CRISPR Knock-in

Introduces precise nucleotide changes at a target site. Often used to understand gene function, or more precisely model human diseases.



Tol2

Insert large cargo or expression cassettes using the Tol2 transposon-based system for tissue-specific reporter expression or to modulate gene expression.

SERVICE PACKAGES

We offer a variety of service packages to fit the needs and budget of your lab. Our services are fully customizable to get you the edit you want along with the support you need to start your project.

- **CRISPR Injection Mix:** Packages range from standard ready-to-inject mixes to full *in vivo* evaluation of sgRNA cutting efficiency and in-house validated screening tools to support YOUR level of expertise.
- **Mosaic Clutch (F0 Injected Embryos):** We develop and rigorously test your custom injection mix and deliver expertly injected embryos ready to submit to your nursery.
- **Full Build (Sequence Verified Heterozygous Line):** Our full-service package handles the entire process of design, validation, injection, rearing, and germline screening, to deliver stable transgenic zebrafish lines.

ABOUT US

InVivo Biosystems provides genome-edited zebrafish models to academic research institutions and end-to-end custom services to pharmaceutical, nutraceutical, biotechnology companies for the discovery and early-stage development of new compounds.

An expert in CRISPR genome editing, InVivo Biosystems creates custom genome-edited *C. elegans* and zebrafish models to enable aging, developmental and other disease studies. Our technologies bridge the gap between cells and mice, providing faster, cost-effective investigations that focus on proof-of-principle experiments for rapid go/no-go decision making.

