

Custom assays insights

- Delivery mechanisms
- Biodistribution patterns
- Tissue-targeting efficacy
- Gene-editing efficacy
- Immune response dynamics
- Tolerability.

Key services

- Model and cellular assay generation including CRISPR
- Validation with human induced pluripotent stem cell (iPSC) derived models
- Studies in immunodeficient, immunocompetent and humanised or transgenic mouse models
- Bioluminescence/fluorescence in vivo imaging for real-time monitoring of RNA/DNA delivery
- Gene delivery detection methods, including single-cell sequencing, RNAscope.

Pharmacology models for nucleic acid therapeutics

Discover the potential of nucleic acid therapeutics through our advanced gene delivery characterisation platform.

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Advanced in vitro and in vivo analysis:

Uptake

- ## Endosomal escape

- ## Delivery

- ## Combine your assay with state-of-the-art readouts

- Reporter systems:

- Ex vivo analyses:

- ## Tolerability assessment

- Cytokine profiling
- Liver enzyme profiling
- Complement activation.