

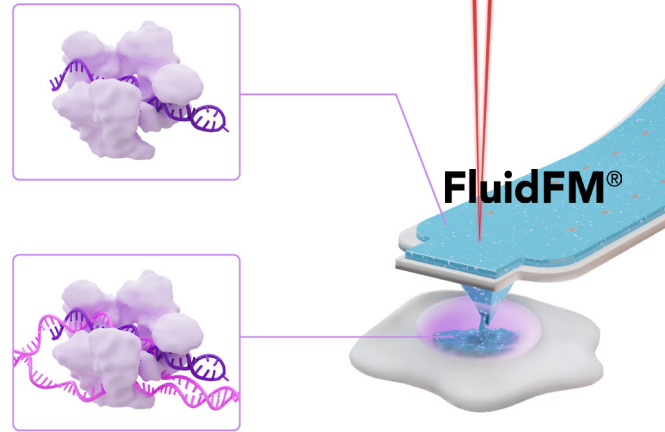
IMPOSSIBLE GENETIC EDITS

CellEDIT - Precision CRISPR Cell Line Engineering Service

CellEDIT is Cytosurge's premium genome engineering service, powered by patented FluidFM® technology. We inject CRISPR/Cas9 directly into the nucleus of individual cells at a controlled, picogram-level dose, enabling precise editing with maximum control while preserving the cell's native state.

This method overcomes the limitations of conventional transfection approaches, enabling access to hard-to-transfect cells and large knock-ins. We hand back validated, monoclonal clones, no instrument or in-house expertise required.

CellEDIT is designed for advanced disease modeling, target validation, and pharmacological workflows where conventional editing reaches its limits.



Stop troubleshooting. Start discovering.

What you suffer from.



Random CRISPR Dosing

One cell gets 10 copies, another 1,000. Your results are confounded before you start.



Off-Target Edits & Copy Number Variations

Uncontrolled dosing drives off-target cuts and unintended mutations.



Toxicity Alters Phenotype

Viability as low as 20-40%. Survivors may not represent your original population.

What we do best.



Controlled CRISPR Dose

Identical picogram-level dose to every cell: true biological replicates.



Phenotype-Preserving Editing

Minimal Stress: morphology, proliferation, and function stay intact.



Vector-Free, Low-Toxicity Approach

No viral vectors, no plasmids, no transfection toxicity. Greater than 80% survival after injection.

"Without this service, I would actually not even pursue this project."

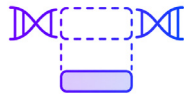
- Dr. Marta Popovic
Group Leader, Ruder Boškovic Institute, Zagreb, Croatia

Explore CellEDIT Solutions



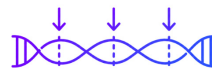
Knockout

Including double and triple knockouts.



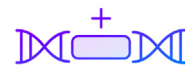
Knock-in

Point mutations, medium-to-large knock-ins.



Multiplex gene editing

In a single workflow.



Large Fragment Excision

4 kbp + in a single edit.

Controlled Genome Engineering Workflow: Reproducible & Traceable



1 Project Assessment

Our experts evaluate your project and define the path forward.



2 Cells Pick Up

We package and ship your cells.



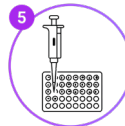
3 CRISPR Design

Development of a tailored editing strategy for your target and cell model.



4 CRISPR Injection

FluidFM delivery of CRISPR RNPs directly into single cells.



5 Clonal Outgrowth

Single-cell seeding and monoclonal outgrowth.



6 Screening

Genotypic screening of targeted edits.



7 Quality Control

Monoclonality assurance · Viability · Sterility · Mycoplasma-free · Optional protein-level validation.



8 Shipment

Cryopreserved clones delivered with full QC report.

Impossible Genetic Edits. Made Possible.

Precision That Protects Your Science

Downstream Data Integrity	Confidence & IP value	Physiological Relevance
Garbage in, garbage out - bad edits poison everything downstream	Your cell line's value depends on how it was made.	Stress-altered cells don't reflect biology, and neither will your conclusions.

The Real Cost of Getting It Wrong

Stage	Standard CRO Services	CellEDIT Premium Service ★★★★★
Initial cost	Lower	Higher
Validation	Higher (more clones to screen)	Low
Off-target confirmation assays	Required (extra cost)	Minimized
Rework cycles (issues are found)	Frequent	Rare
Timeline to validated cell line	Longer overall	Faster overall

"Their scientific expertise and quick responses were unmatched. The results facilitated the successful revision of a paper (now published in Nature Genetics)."

- Dr. Kanstantsin Siniuk
Leibniz Institute on Aging - Fritz Lipmann Institute (FLI), Jena, Germany

"Accelerated generation of gene-engineered monoclonal CHO cell lines using FluidFM nanoinjection and CRISPR/Cas9"
Biotechnol J. (2024)



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