FluidFM®
Efficient CRISPR genome editing & fast cell line development

By overcoming delivery limitations
with direct intra-nuclear injection

CYTOSURGE®

EFFICIENT
High CRISPR HDR efficiency due to direct intra-nuclear delivery

GENTLE
Especially suitable for hard-to-transfect and rare cell types

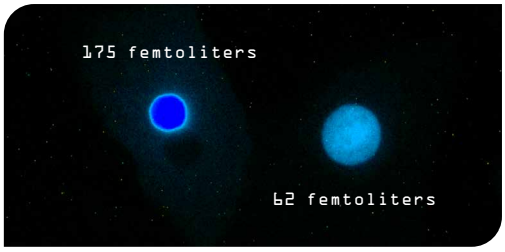
POWERFUL
Straight forward multiplexing and stack editing

COST-SAVING
No need to spend time and costs on designing carriers or vectors

FAST
Generate stable monoclonal cell lines in <3 weeks

EFFICIENT

Direct co-injection with FluidFM technology ensures that all CRISPR components are delivered simultaneously and at the right concentration into the nucleus. By quantifying the injected volume, you can exactly calculate how many copies were delivered. Thus, FluidFM allows to maximize HDR efficiency while minimizing off-target and side effects.



GENTLE

As the insertion of the FluidFM probe does not compromise cell viability, it can even be used for injecting plasmids, gRNAs or CRISPR-complexes directly into the nucleus of many hard-to-transfect cells including stem cells, primary cells, and neurons.

Courtesy Sen Yan, Jinan University, Guangzhou, China

POWERFUL

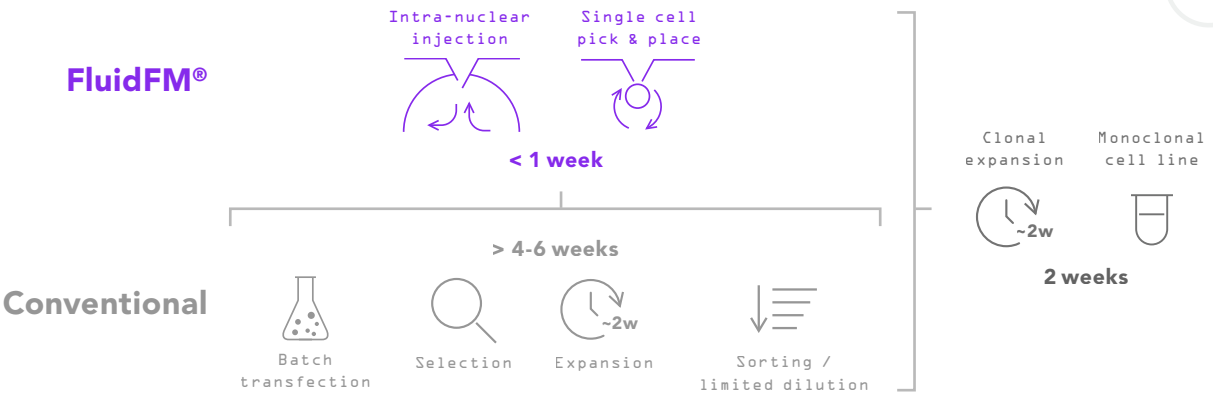
With the FluidFM probe, deliver different gRNA simultaneously and directly into the nucleus of a cell, for highly efficient multiplexing. The gentle injection procedure also enables consecutive stack editing by serial injection into the same cell.

COST-SAVING

As the CRISPR reagents are directly injected into the nucleus, there is no need to spend time and money designing complex plasmids or size-limited viral vectors. This also enables to work with large repair templates or nucleases.

FAST

By starting from a single cell clone, the FluidFM cell line development workflow provides you with a stable, monoclonal cell line within 3 weeks starting from the day of RNP injection until the clones have been characterized, saving weeks compared to conventional approaches.



available from:
CENIBRA
life science solutions
Münsterstr. 2
49565 Bramsche
Germany
T +49 5461 7089089
F +49 5461 7089088
info@cenibra.de
www.cenibra.de

Visit application page

Explore use cases such as "Multiple knock-out clones within <3 weeks"

CYTOSURGE®