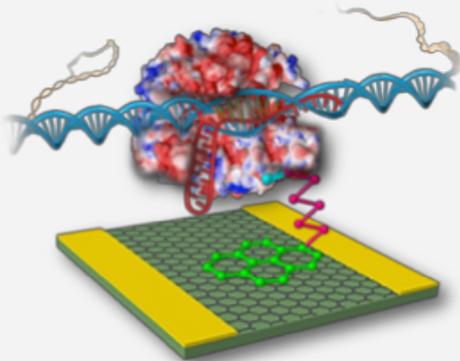


Our Technology

Nanosens Innovations Inc. will bring you the *CRISPR-chip* technology with a highly intuitive graphical user interface customized per application, commercial scalability (from 1 handheld measurement to a high throughput lab robot screening version), and built-in efficient signal and software analysis.

CRISPR-Chip's ultrasensitive graphene biosensor (Powered by Cardea) allows you to assess the quality of your gRNAs for your CRISPR needs.



QC Applications

Reduce the time and costs necessary to take your CRISPR application from *target identification* to *hybridization* and *cleavage*.

Find the most appropriate guide RNAs and Cas versions for your gene therapy needs.

Nanosens Innovations Inc.

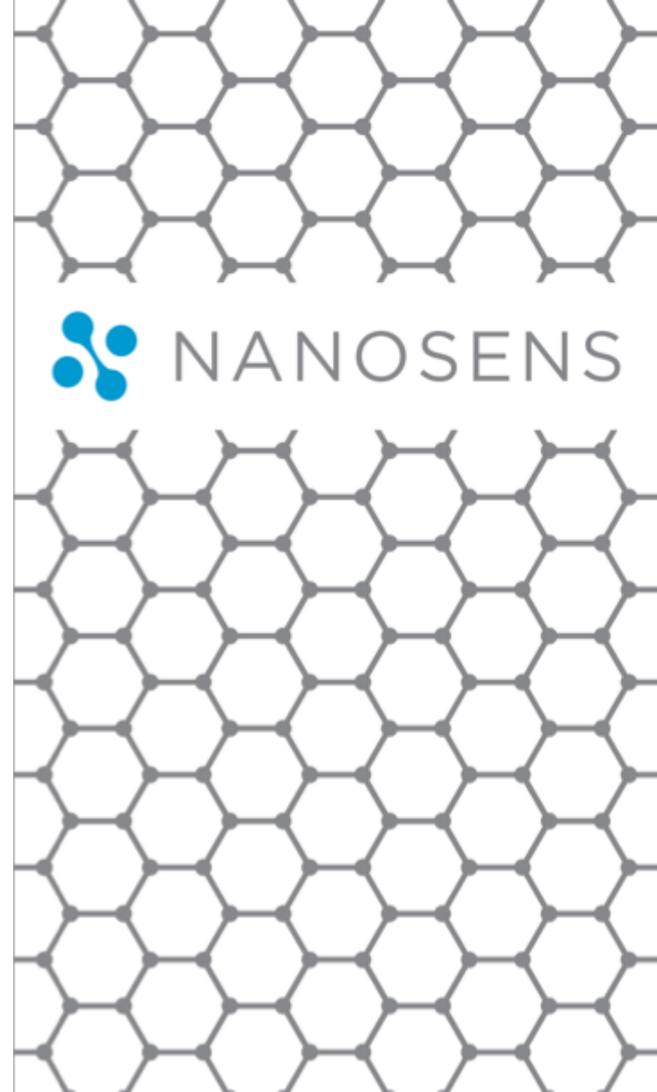
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Office Address

9640 Towne Center Dr #100
San Diego CA, 92121

Mailing Address

8861 Villa La Jolla Dr. #13205
La Jolla, CA, 92039



What are your CRISPR Quality Control (QC) needs and what kind of potential solutions will be available?

Basic QC Kit

The basic kit determines binding and cleavage efficiency of guide RNA at the target site in chromatin free DNA.

Highly sensitive and specific for guide RNA validation.

Use 10 times less Cas9 than the gel electrophoresis it replaced.

Input: Nucleosome free DNA
(Preferably Amplicon)

gRNA Select Kit

The intermediate kit allow you to select the best guide RNA candidate, high on-target efficiency with low or no off-target cleavage, in chromatin.

Simple Minimal sample preparation

Informative Binding and cleavage kinetics; higher frequency on-site modification in vivo

Cost-effective Indications prior to off-target cleavage by NGS

Fast Same day results

Flexible Assess the efficiency of different Cas9 mutants or nucleases

Input: Whole DNA in chromatin state

Off-target Test Kit

This advanced kit is for those who wish to specifically map out the locations of potential off-target hits in their CRISPR experiments, in case precision gene-edits are needed.

Get confidence that your guide RNAs and CRISPR work is not creating off-target edits.

Specific Drastically increase specificity with equivalent sensitivity

Universal Applicable to multiple cell types

Usability Graphical User Interface is user-friendly and linear

Input: Whole DNA in chromatin state

