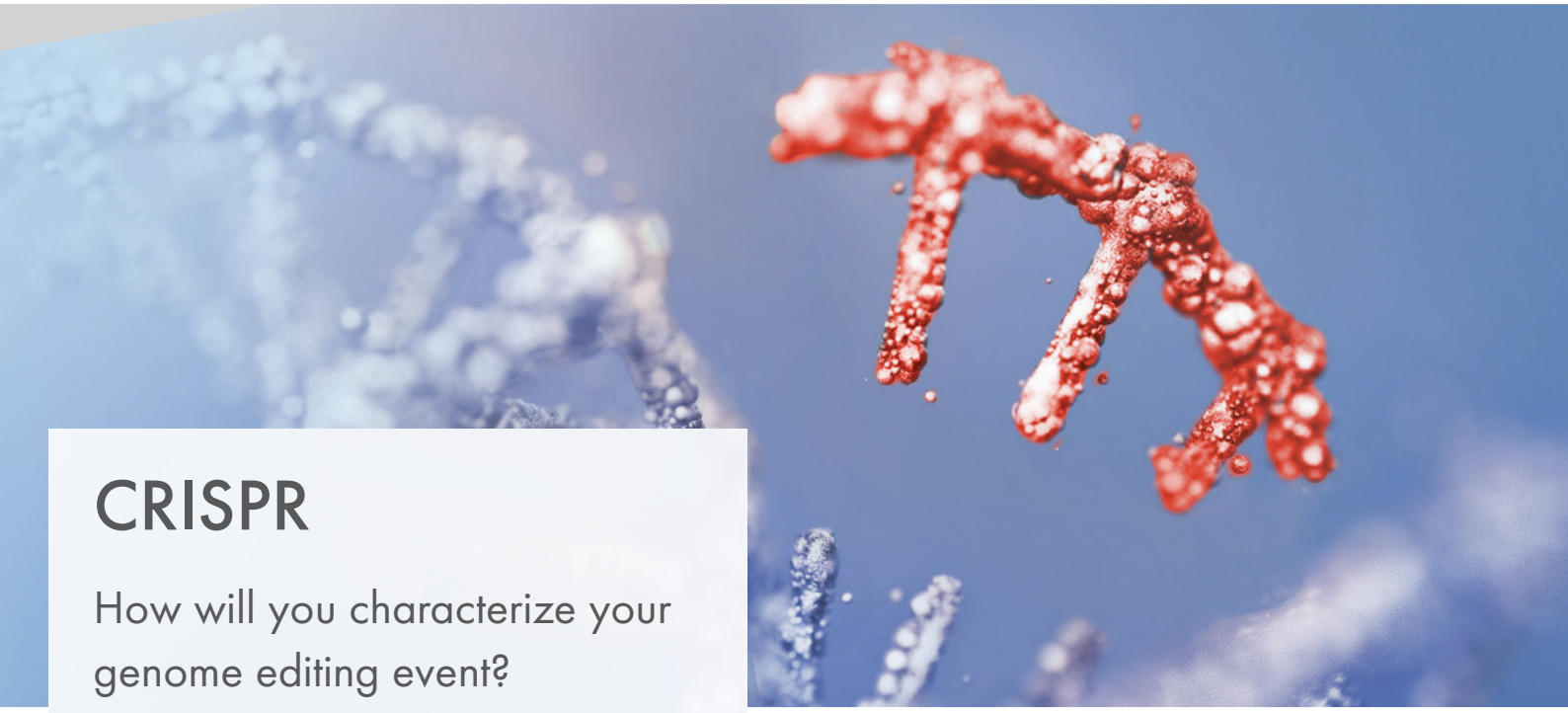


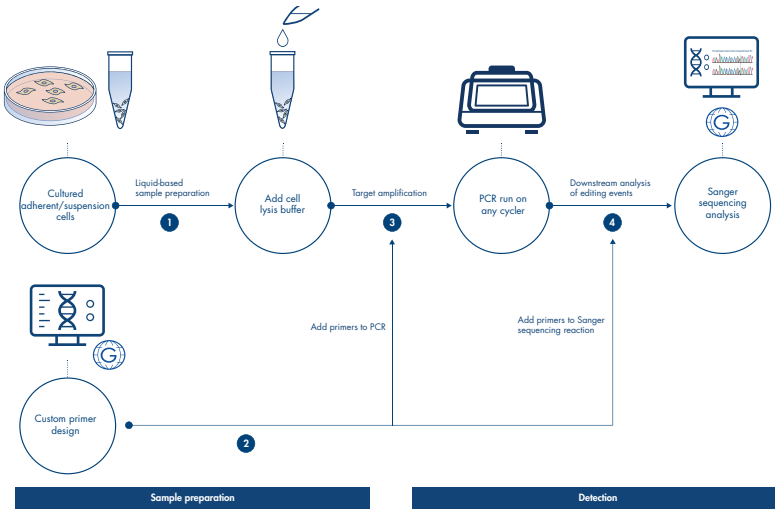
CRISPR

How will you characterize your genome editing event?

So, you've carried out your genome editing experiment and now you want to check if it's worked. This is an exciting time! But unfortunately, a long, tedious screening process can ruin the moment. To detect and validate your editing event with added speed, convenience and accuracy, try our optimized CRISPR screening workflow.

The new CRISPR workflow gives you:

- Fast liquid-based sample preparation
- CRISPR-specific PCR and Sanger sequencing primers
- A new sequencing analysis tool for checking editing efficiency



What can you expect from the new CRISPR screening workflow?

Time savings

Liquid-based sample prep gives you a cell lysate that you can use directly for PCR.

Less cell culture time as you only need ten cells. You can even go down to one cell depending on your experiment.

Convenience

Straightforward assay design for human, mouse and rat whole genomes.

New, easy-to-use primer design and sequencing analysis tool for validation by gold-standard Sanger sequencing.

Accuracy

A positive control that checks technical failures and input quality.

PCR primer design tool that predicts off-target amplification, reducing non-specific amplicons.

QIAprep&amp CRISPR liquid-based sample prep gives you a cell lysate that you can use directly for PCR

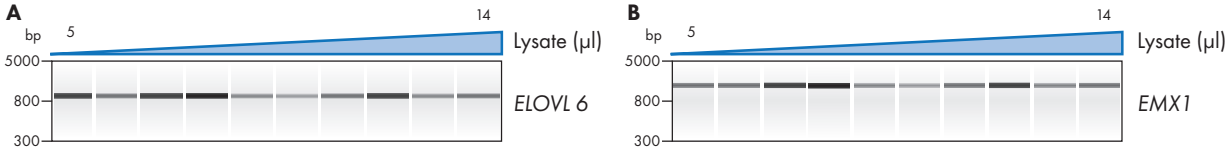


Figure 1.: Cell Lysis Buffer efficiently lyses cells without affecting downstream target amplification. Different volumes of a raw cell lysate (100 cells/µl) generated with the CRISPR-Q Cell Lysis Buffer were added to an AllTaq PCR. Target amplification of *ELOVL6* (A) and *EMX1* (B) was performed using CRISPR-Q Custom PCR Assays.

Ordering Information	Cat. no.
QIAprep&amp CRISPR Kit (250)	232101
QIAprep&amp CRISPR Kit (1000)	232102
CRISPR-Q Custom PCR Assay – orderable via GeneGlobe	232103
CRISPR-Q Sanger Primers – orderable via GeneGlobe	232104

Learn more at **www.qiagen.com/qiaprepamp-crispr-kit**