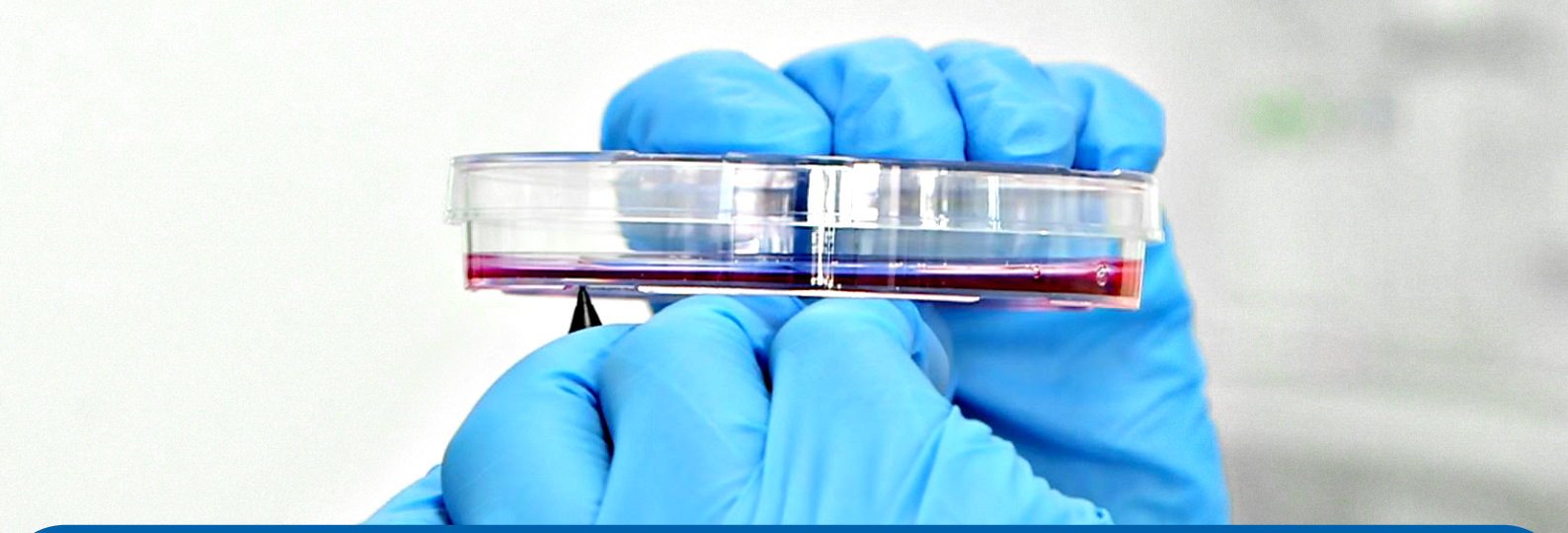


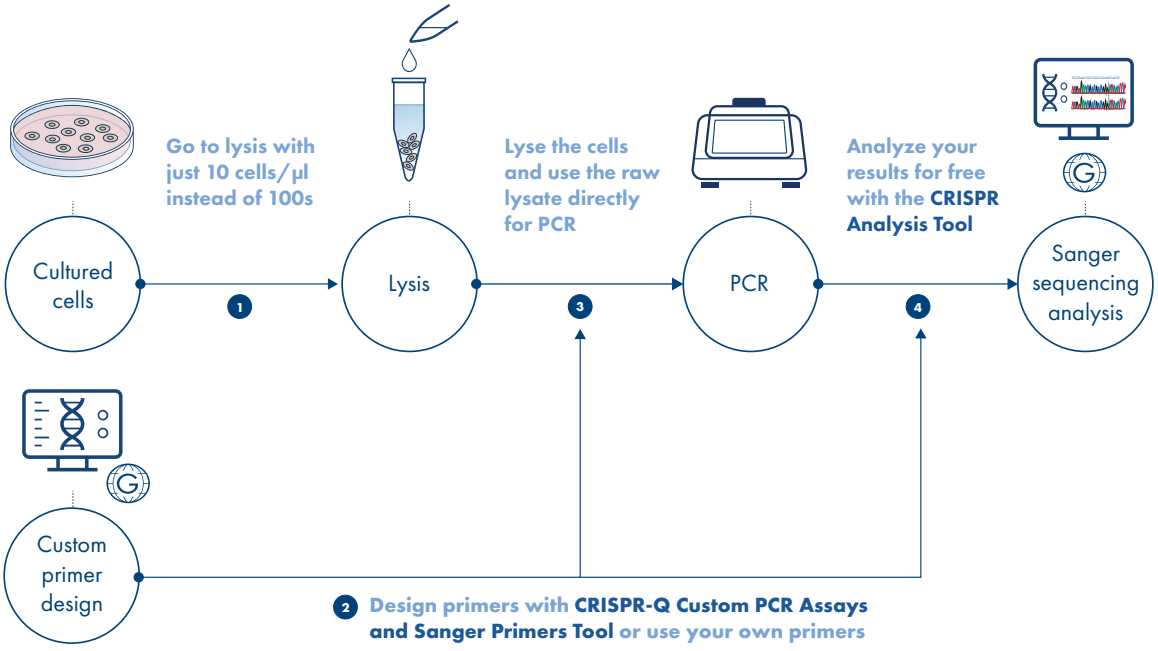
The QIAprep&amp™ CRISPR workflow for cell line development

Take a 3x faster route to your clone of interest

During CRISPR genome editing for cell line development, the laborious cell cultivation work and the cumbersome screening of multiple clones – particularly while working with single-cell clones – can keep you occupied for weeks. Wouldn't it be great to take a 3x faster route to your clone of interest?

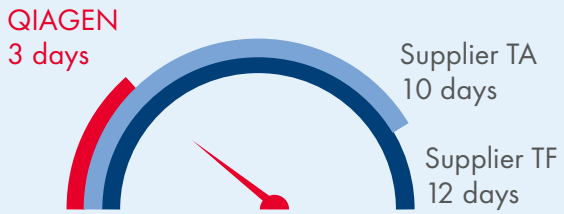
With the redesigned QIAprep&amp CRISPR screening and sequencing workflow, you can rapidly characterize CRISPR gene editing events in just 3 days instead of 10.

Too good to be true? Check out the new process.

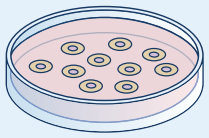


Sample to Insight

Days of cell culture before lysis [1,2]



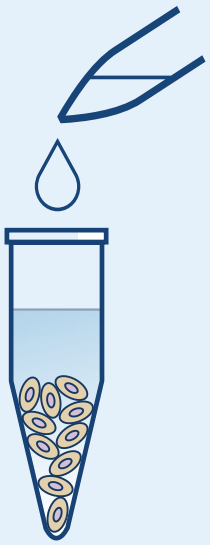
Save one week of cell cultivation



Required cell density for cell lysis [2]

Supplier TA : 2800 cells/µl
Supplier TF : 1000 cells/µl
QIAGEN : 10 cells/µl

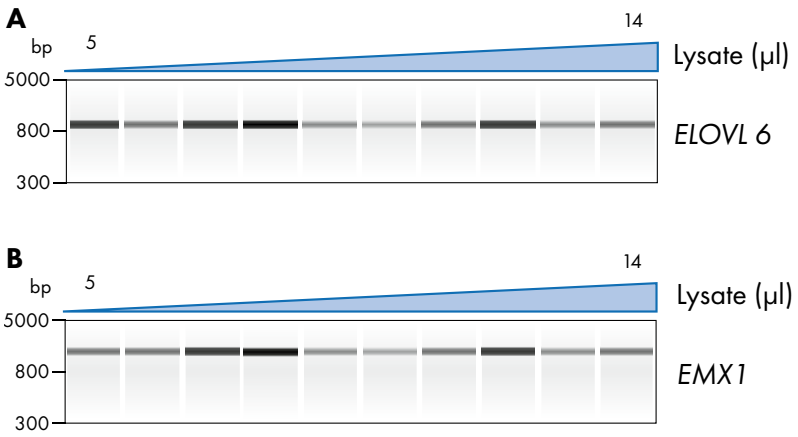
Go to lysis with just **10 cells/µl**



(1) Starting from one cell for clonal expansion (2) Data obtained through experiments conducted by QIAGEN R&D in Hilden, Germany

Use the raw cell lysate directly for PCR

Our PCR chemistry tolerates up to 70% of total PCR volume to be the lysate



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.

Still not convinced? **Try out the kits and assays for your next CRISPR editing**

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

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

Trademarks: QIAGEN®, Sample to Insight®, QIAprep&amp™, AllTaq®, CRISPR-Q™, GeneGlobe® (QIAGEN). Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.
QPRO-2834 1130685 02/2023 © 2023 QIAGEN, all rights reserved.