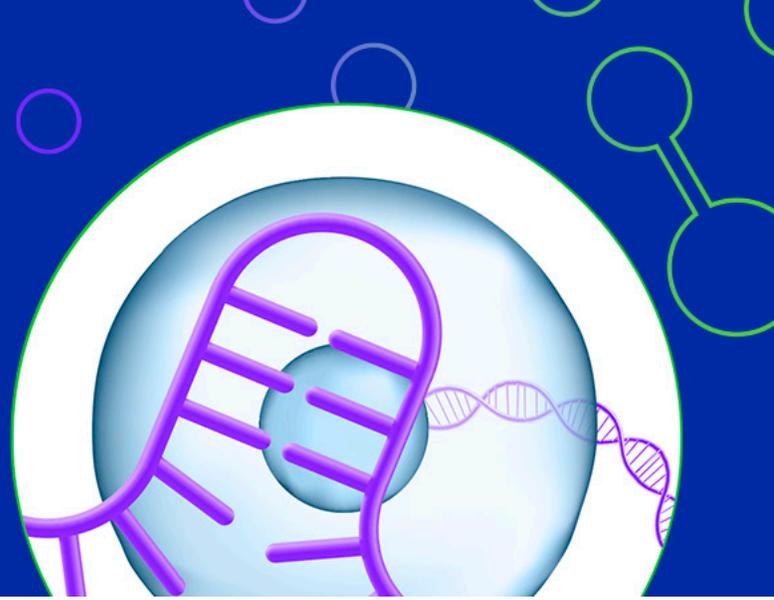


CRISPR Guide Enrichment Kit

Maximized guide detection. Maximized discovery.



Our CRISPR Guide Enrichment Kit drives your high-throughput screens through the power of CRISPR. Our high-throughput kit is designed to work with CROP-style vectors to provide highly sensitive detection of your guide sequence.

Extend your capabilities

To maximize guide detection, we've modified our existing Single Cell RNA Sequencing Kit to include target-specific priming during reverse transcription, as well as PCR enrichment in the final step of library preparation. Additionally you can expand your output with our Extended Throughput kits—giving you the ability to multiplex up to 96 samples and process up to 500,000 cells per run.

Highlights

Superior Sensitivity

Get >90% cells with guide

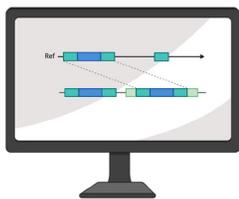
Increased Cell Throughput Option

Process up to 500,000 cell or nuclei per run with our Extended Throughput Kit

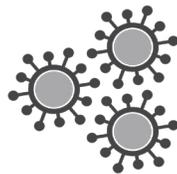
Expansive Multiplexing

Run up to 96 samples

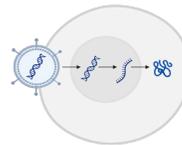
Design CRISPR Library ▶



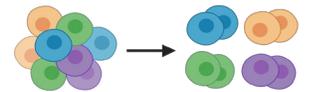
Assemble Lentivirus ▶



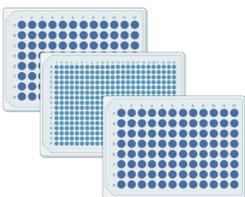
Cell Transduction ▶



Select Cells ▶



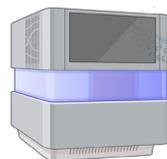
ScaleBio scRNA workflow ▶



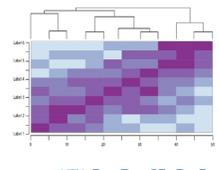
CRISPR Guide PCR ▶



Sequencing ▶



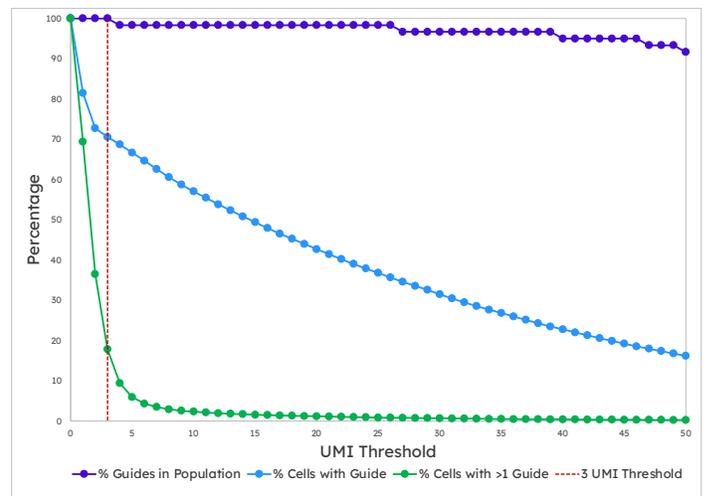
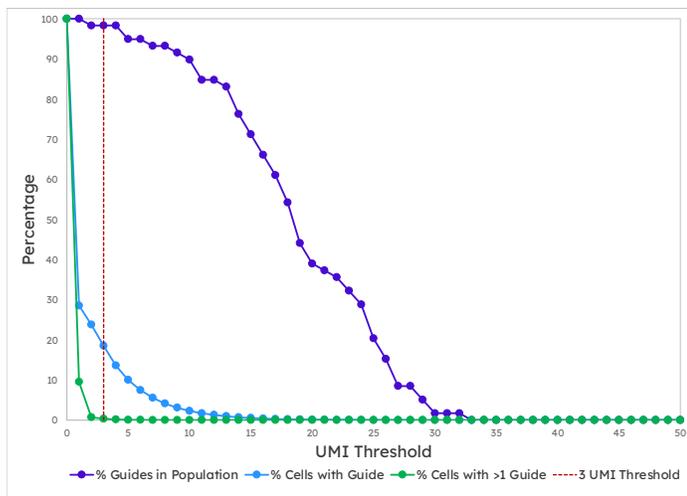
CRISPR Pipeline ▶



Human A375 cells were used to test guide detection using the custom RT primer in our CRISPR Guide Enrichment Kit and then compared to the use of only PolyA priming during reverse transcription. The use of a custom RT primer significantly improves guide detection—enabling lower overall sequencing costs.

	% Reads in Enriched Library Containing a Guide	% Cells with a Guide Assigned
Traditional PolyA primer	42%	67%
ScaleBio Custom RT Primer (ScaleBio CRISPR Guide Enrichment Kit)	93%	>90%

When comparing guide detection rates (≥ 3 UMIs per guide) using our CRISPR Guide Enrichment Kit versus a traditional CROP-seq primer, a higher percentage of guides are detected both at the population level as well as in the percentage of cells with an identified guide.



Product Code	Product Description
2020014	Cas9 CRISPR Guide Enrichment Kit
2020029	CRISPR Guide Enrichment Kit (non-Cas9)
2020024	CRISPR Guide Enrichment Extended Throughput A
2020025	CRISPR Guide Enrichment Extended Throughput B
2020026	CRISPR Guide Enrichment Extended Throughput C

Learn more about our Single Cell CRISPR Guide Enrichment Kit at:
<http://scale.bio/single-cell-crispr-guide-enrichment-kit/>



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 Single Cell Crispr Guide Enrichment Kit_RevB_23Oct23