Screen with Confidence – EditCo's XDel Arrayed Libraries

✓ **High Knockout Efficiency:** Predesigned gRNAs target a single early exon and work cooperatively to induce fragment deletions, boosting editing efficiency while minimizing off-target effects

✓ **Reliable Results:** Fragment deletions result in persistent gene disruption and sustained protein loss

✓ **Simplified QC:** Quantify knockouts easily and accurately in a single PCR to genotype with our free ICE analysis tool

Screen Faster: Ship in as few as 7 days to keep your project moving



XDel Design Results in Robust and Repeatable Large Deletions Across Cell Lines and Genes





EditCo's XDel design uses up to 3 coordinated sgRNAs to target a single early exon, driving fragment deletions and allowing easy quantification of editing outcomes for reliable gene knockout, outperforming traditional pooled approaches

XDel Design Enable High and Sustained Protein Depletion



Four membrane proteins were knocked out in K562 cells using XDel design. Protein loss was measured by flow cytometry over at days 3, 7, 14 and 21 days, showing sustained knockout compared to negative controls. Representative plots for CD46 and CD59 at day 21 highlight XDel's durable editing efficiency and protein loss.

XDel Knockout Technology Maximizes On-target Editing and Minimizes Off-target Effects



(A) Bar chart shows significantly higher on-target editing efficiency with XDel (pink) compared to single sgRNAs (blue) across 7 genes in 6 cell types (B) Bar chart of average off-target editing efficiency (y-axis) of XDel design (pink) vs individual sgRNA (dark blue) across 63 off-target sites in 6 cell types.

XDel Design Enables Synergistic gRNA Activity to Lower Required gRNA Concentration and Minimize Off-Target Editing



Bar plot of average on- and off-target editing efficiency by XDel (pink) compared to single sgRNAs (blue) across 7 genes at increasing concentrations of RNP (0.25X, 1X, 4X) in HEK293 immortalized cells.

Formats and Sizes Available

Yield	Plate Type
10000 pmol 5000 pmol 3000 pmol 1500 pmol 500 pmol	96-well nunc
600 pmol	384-well nunc 384-well Echo
300 pmol 250 pmol 150 pmol	384-well nunc 384-well Echo 384-well EchoLDV

** SUMMER SAVINGS ** Up to 25% Off CRISPR gRNA Libraries

Also available: Whole Human Genome, Pathway Libraries and Custom Libraries

upperting over step of very drug discovery werkelder

