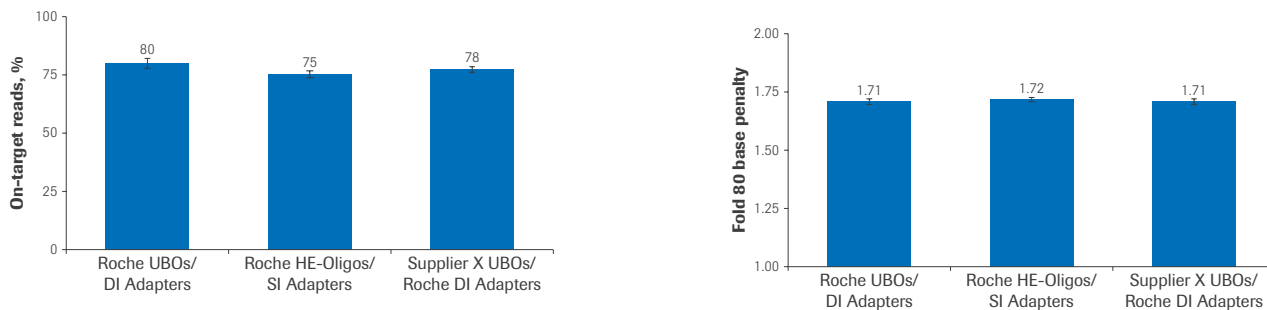


# Roche Universal Blocking Oligo Kit

Roche Universal Blocking Oligos (UBOs) reduce workflow complexity and hands-on time by eliminating the need for adapter-matched blocking oligos. Roche UBOs prevent adapter-adapter binding between library molecules during hybridization, increasing on-target mapped reads in target enrichment experiments.

- Achieve performance equal to or better than individually matched blocking oligos
- Simplify experiment planning, workflow, and reagent management with a single UBO tube for:
  - KAPA Dual-Indexed or SeqCap single-indexed adapters for Illumina® sequencing
  - i7 and i5 adapters
  - 6-mer and 8-mer indexes

## Increase convenience with Roche UBOs



**Figure 1. Comparison of sequencing performance metrics for Roche UBOs, Roche HE-Oligos, and Supplier X's UBOs.** Target-enriched libraries were prepared from 100 ng of HapMap NA12891 DNA using the HyperCap v2.0 Workflow. The KAPA HyperPrep Kit and the indicated adapters were used to create the libraries and target enrichment was performed with the SeqCap EZ Inherited Disease Panel and the indicated blocking oligos. The combined use of KAPA Dual-Indexed Adapters and Roche UBOs resulted in equivalent-to-better performance with respect to both the on-target rate and the Fold 80 base penalty (a measure of sequencing depth uniformity, for which lower #s are better). Error bars represent the standard deviation across triplicate samples. Sequencing was performed using an Illumina HiSeq® 4000 instrument with 2 x 150 read length. Reads were randomly subsampled to 12.3 M for comparative analyses.

## Ordering information

Product Name	Pack Size	Catalog #
<b>Roche Universal Blocking Oligos</b>	24 reactions	08286396001
<i>Designed for use in blocking dual- or single-index barcoded adapters</i>	96 reactions	08286388001

Request an evaluation at [go.roche.com/UBOs](http://go.roche.com/UBOs).

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[sequencing.roche.com](http://sequencing.roche.com)

Data on file.

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