

oPOOLS™ OLIGO POOLS

Start from solid bases



Get started immediately:
fast delivery and no
amplification required



Reduce experimental variability
with more complete coverage



Leverage your budget
to screen more targets

oPools Oligo Pools (Table 1) are single-stranded DNA sequences used for CRISPR library construction, primer pools for multiplex PCR, gene construction, data storage, and FISH analysis.

oPools oligos are manufactured using IDT's next generation synthesis platform, allowing us to produce high quality, long oligos up to 350 bases (Figures 1–3). With IDT oPools, customers can receive their pooled DNA sequences as the highest quality oligos with excellent uniformity and yields (Figure 2) that make PCR amplification unnecessary.

Table 1. Product specifications.

Oligo length	40–350 bases
Number of oligos per pool	Up to 20,000
Amount of each oligo	1, 10, or 50 pmol
Mixed bases	N = A, C, G, and T
	K = G and T
	Limited to 9 mixed bases per oligo
Modifications	5' phosphorylation
Shipping conditions	Dry
Time to ship	4–7 business days

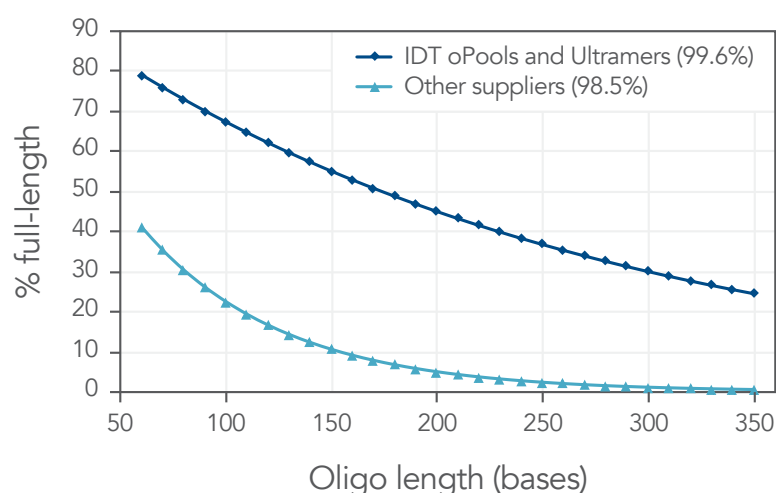


Figure 1. Amount of full-length product received is determined by coupling efficiency. oPool DNA oligos are manufactured using the same proprietary synthesis platform as Ultramer™ oligos (IDT) and offer higher coupling efficiencies than industry standards. As seen in the graph, coupling efficiency of oPools Oligo Pools (99.6%) allows for longer oligos to be synthesized in comparison to another supplier with a coupling efficiency of 98.5%.

> WWW.IDTDNA.COM

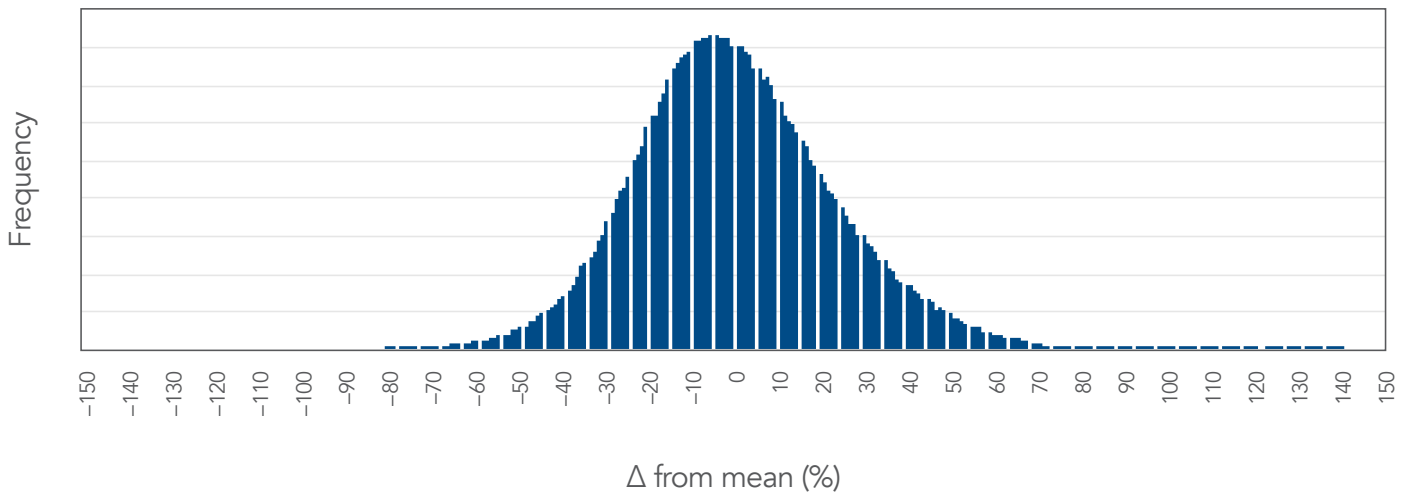


Figure 2. IDT proprietary DNA synthesis results in an even yield distribution of oPools oligos. This even yield distribution is shown here as a function of % difference from the mean. The standard deviation observed across ½ million sequences is less than 23% of the mean, demonstrating a high level of uniform sequence representation

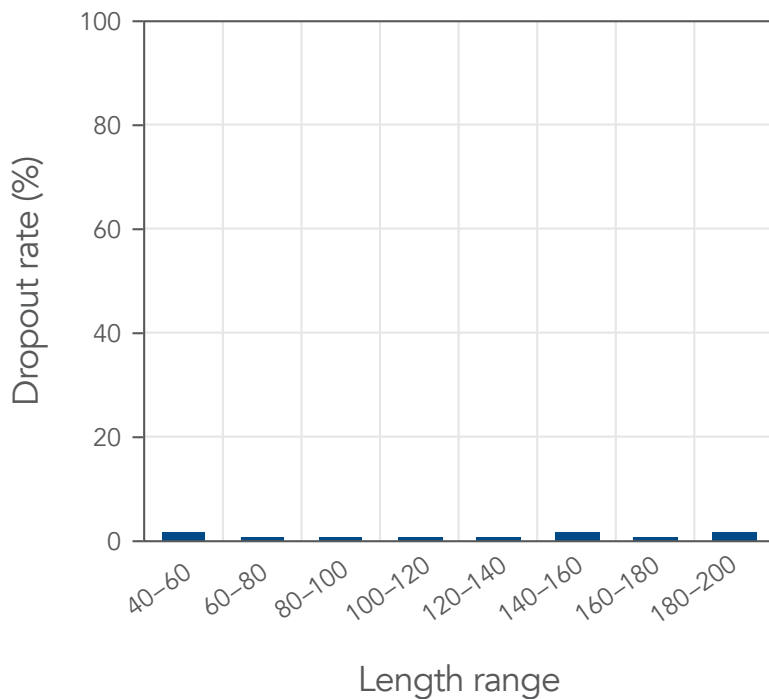


Figure 3. oPools Oligo Pools demonstrate exceptionally low dropout rates. Dropout rate refers to the likelihood that any individual sequence is not present in the final pool. This rate can vary by length and sequence complexity. The average dropout rate for oPools oligos was 0.8% based on a sample size of over 900,000 oligos. Dropout rates are plotted by length range.

ORDERING INFORMATION

Product	Size	# of oligos/pool	Catalog #
oPools Oligo Pools	1 pmol/oligo	100 to 20,000	Order at www.idtdna.com/site/order/poolentry
	10 pmol/oligo	10 to 2000	
	50 pmol/oligo	2 to 384	

Oligo pools are shipped dry. If you have custom needs, please contact Genes@idtdna.com.

> FOR MORE INFORMATION AND TO ORDER, VISIT WWW.IDTDNA.COM/OPOLS.

For Research Use Only. Not for use in diagnostic procedures.

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