

oPOOLS™ OLIGO POOLS

Start from solid bases



Save time
with fast delivery and no
amplification required



Reduce experimental variability
with more complete coverage



Leverage your budget
to screen more targets

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

oPools Oligo Pools are manufactured using IDT's next generation synthesis platform, for the production of high-quality, long oligos (**Figures 1-2**), up to 350 bases (**Table 1**). IDT oPools provide customers pooled DNA sequences with excellent uniformity and yields (**Figure 2**), making PCR amplification unnecessary.

oPools Oligo Pools exhibit 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.

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

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

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custom oligos • next generation sequencing • CRISPR genome editing • qPCR & PCR • synthetic biology • functional genomics

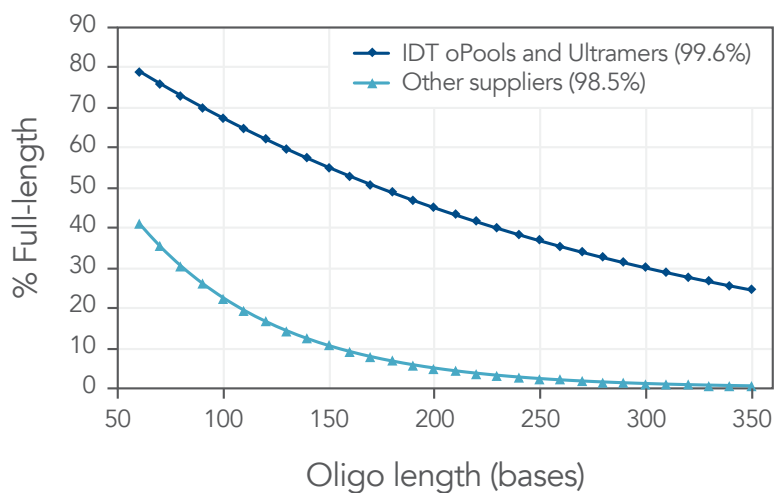


Figure 1. Amount of full-length product received is determined by coupling efficiency. oPools Oligo Pools are manufactured using the same proprietary synthesis platform as Ultramer™ oligos (IDT) and offer higher coupling efficiencies than industry standards. As seen in the graph, coupling efficiency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

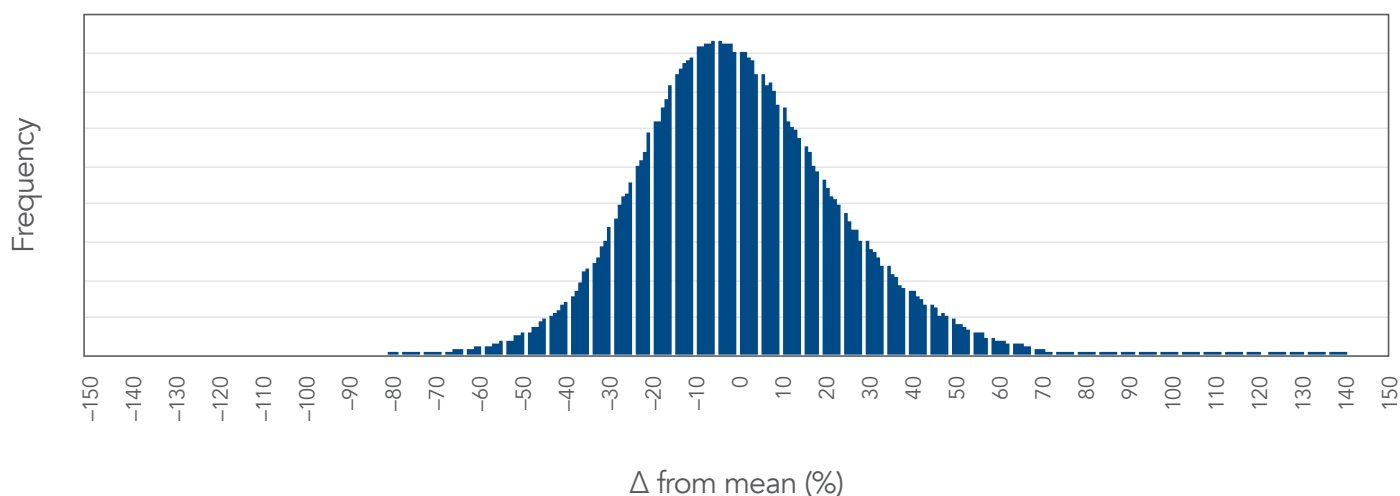


Figure 2. IDT proprietary DNA synthesis results in an even yield distribution of oPools oligos. The even yield distribution is shown here as a function of % difference from the mean. The standard deviation observed across half a million sequences is less than 23% of the mean, exhibiting a high level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

ORDERING INFORMATION

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

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/OPOOLS.

For Research Use Only. Not for use in diagnostic procedures. Unless otherwise agreed to in writing, IDT does not intend these products to be used in clinical applications and does not warrant their fitness or suitability for any clinical diagnostic use. Purchaser is solely responsible for all decisions regarding the use of these products and any associated regulatory or legal obligations.

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