

NGS Oligos

NGS is more than a leap in genomics—it's the new benchmark. Capable of decoding millions of DNA fragments simultaneously, it's transformed the landscape of genomics and biological research. But like all powerful tools, NGS demands precision.

The Critical Role of Oligos

In the world of NGS, the right oligos make all the difference. Even minor imperfections can compromise an entire sequencing endeavor, resulting in lost time and resources.



Our Solution | Syno-C Oligo Synthesis Platform

- **Precision:** Crafted to ensure utmost accuracy, mitigating risks of sequence deviations.
- **Quality:** Our commitment is not just to deliver oligos, but unmatched purity and reliability.
- **Confidence:** Ensure your NGS projects are backed by the best in oligo solutions, minimizing errors and maximizing outcomes.

Unmatched Expertise & Advanced Capabilities

- **Broad Platform Compatibility:** Comprehensive support for both Illumina and MGI platforms, backed by two universal blocking oligos.
- **Premium Quality with Competitive Pricing:** Experience the perfect balance of top-tier quality and cost-effectiveness in one offering.
- **Efficient Blocking Design:** Advanced design techniques deliver effective adapter blocking, ensuring clean sequencing.
- **Precision Hybridization:** Achieve specific binding with minimized off-target interactions, courtesy of our high capture rate.

Maximizing Precision: Comprehensive Tools for Accurate and Reliable PCR-based Research

- **Indexed Adapters:** Engineered for precision with a minimized cross-contamination rate, ensuring accurate connections every time.
- **Capture Probes:** Designed with exceptional fidelity, guaranteeing precise targeting and reliable capturing.
- **Blockers:** Secure your sequences with our high-efficiency sealing blocker, ensuring unmatched stability.
- **Multiplex PCR Oligos:** Benefit from consistent outcomes with our oligos, marked by batch-to-batch consistency and uniform amplified fragment distribution.

NGS Oligo	Length (bp)	Turnaround Time	Deliverables
Indexed Adapters	60-70	5-7 Business Days	<ul style="list-style-type: none"> • Products in Tube/Plate/Chip. • Comprehensive QC Report (HPLC, MS)
Capture Probes	80-120	Contact Us	
Multiplex PCR Oligos	20-60	Contact Us	
Blocking Oligos	20-80	5-7 Business Days	
Other NGS Oligos	10-150	5-7 Business Days	

* If you want to learn more, please email our team at quote@synbio-tech.com.

Trust in our Diagnostic Probes

Every probe we offer is meticulously crafted following ISO 9001:2015 & ISO 13485:2016 quality management standards, guaranteeing unmatched reliability and precision for your diagnostics research.

Your NGS, Amplified

Choosing Synbio Technologies isn't just selecting a supplier; it's partnering for success. Elevate your NGS endeavors with the precision and quality of our Syno-C Oligo Synthesis Platform. Experience the Synbio difference and propel your research to new heights.

Synbio Technologies is at the forefront of producing superior quality NGS oligos. Catering to the two leading sequencing platforms, we proudly introduce our universal NGS capture sequencing blocking oligo: Syno Blockers.

Our cutting-edge approach ensures:

- **Stellar Stability:** Our unique synthesis process establishes a robust secondary structure, ensuring longevity and consistent performance.
- **Optimal Blocking:** By covering the adapter region comprehensively, we ensure that unwanted sequences are effectively sidelined.
- **Enhanced Hybridization:** Our blockers are designed to augment the capture efficiency of target fragments, ensuring the clarity and accuracy of your sequencing results.

Product	Catalog #	Specifications	Price
Syno TS Blockers	SYN20200701-T16	16 rxn (32ul)	Contact us for a quote.
	SYN20200702-T48	48 rxn (96ul)	
	SYN20200703-T96	96 rxn (192ul)	
Syno MGI Blockers	SYN20200801-M16	16 rxn (32ul)	
	SYN20200802-M48	48 rxn (96ul)	
	SYN20200803-M96	96 rxn (192ul)	



Syno TS Blockers

Blocking Illumina LT (p5, p7 – 6 nt and 8 nt) and HT (i5, i7) adapters.



Syno MGI Blockers

Blocking single-ended index adapters of MGISEQ platform.

Key Offerings

Oligo Pools: Full-fledged support tailored for pinpointed research needs.

NGS Sequencing: Unlock deeper insights with our cutting-edge genetic analysis tools.

Library Construction: Seamlessly construct varied genetic libraries with our expert solutions.

Why Trust Synbio Technologies?

- **Tailored Tools for Precision:** Our Syno TS Blockers and Syno MGI Blockers, designed specifically for the Illumina NGS platform, ensure enhanced data capture by effectively blocking both library ends. Experience superior blocking efficiency at a competitive price point.
- **High-Efficiency Adapters for NGS:** Crafted for NGS database development, our adapters feature distinct barcodes for sample differentiation and data processing. Enjoy reduced cross-contamination and prime purity in our extended primers.

Placing an Order?

Here's What We Need:

- **Probe Design:** For design services, kindly provide links to species reference genomes and relevant gene IDs.
- **Sequence:** If you're supplying a sequence, please share the sequence details and desired synthesis quantity.
- **Ready to Purchase?** Share the purchase number and the quantity you need.

What You'll Receive

- **DNA Oligo Format:** Lyophilized DNA Oligo Powder, tailored to your needs.
- **Flexible Packaging:** Choose from Single Tubes (Clear or Opaque), 96-Well Plates, or 384-Well Plates.
- **Detailed Documentation:** Every order comes with a Certificate of Analysis (COA) which includes Sequencing Information, OD, T_m (C°), and other essential details.

Discover Our Array of Services

- **NGS Sequencing:** End-to-end next-generation sequencing solutions.
- **Oligo Pools:** Diverse oligo pooling alternatives.
- **Modified Oligos:** Tailored oligo modifications designed to meet your needs.
- **Gene Synthesis:** Accurate and efficient gene synthesis
- **Plasmid Prep:** Streamlined plasmid preparation and management
- **PCR Cloning:** Trustworthy PCR cloning methodologies
- **Site-Directed Mutagenesis:** Precision-targeted mutagenesis for specialized applications.