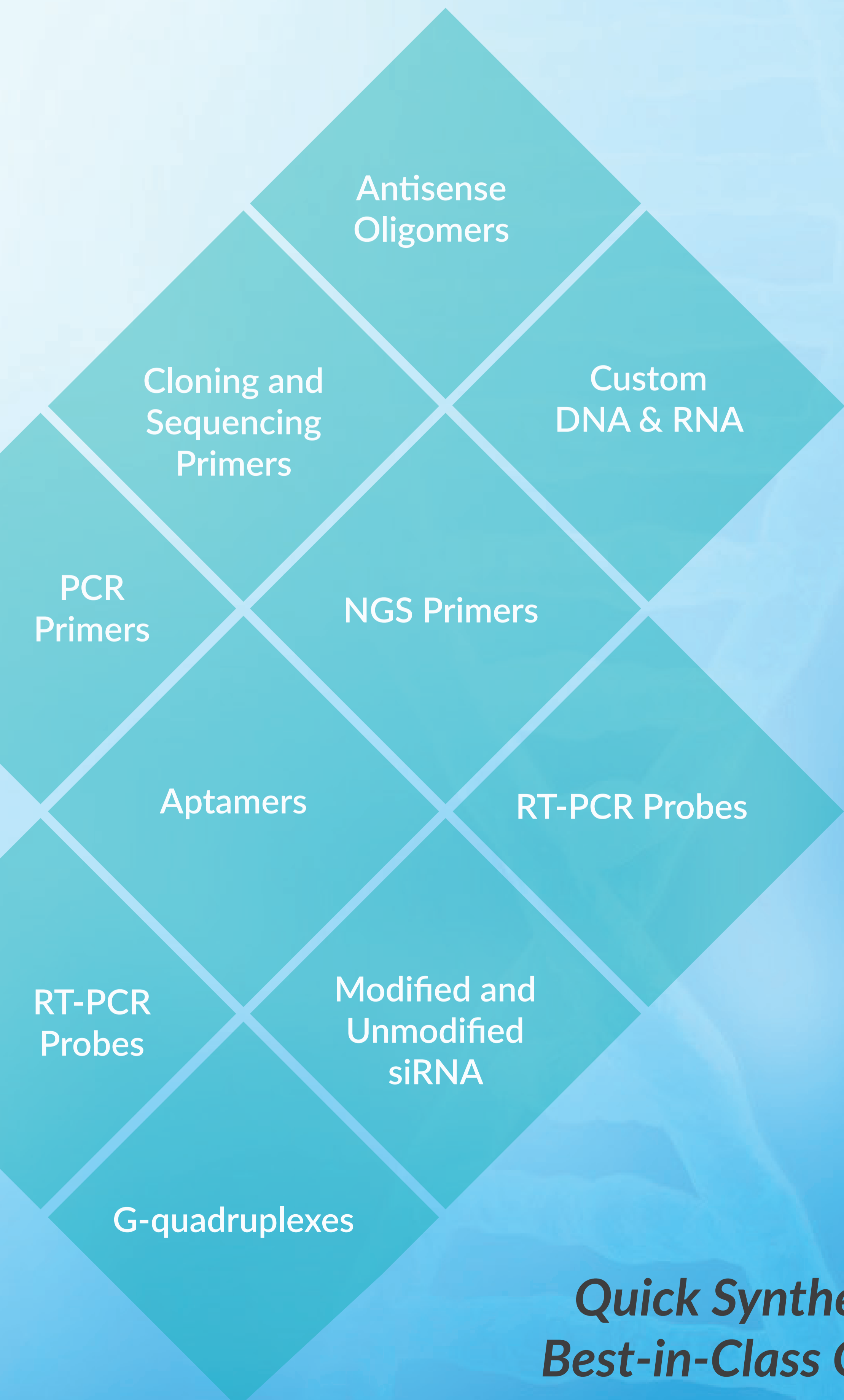
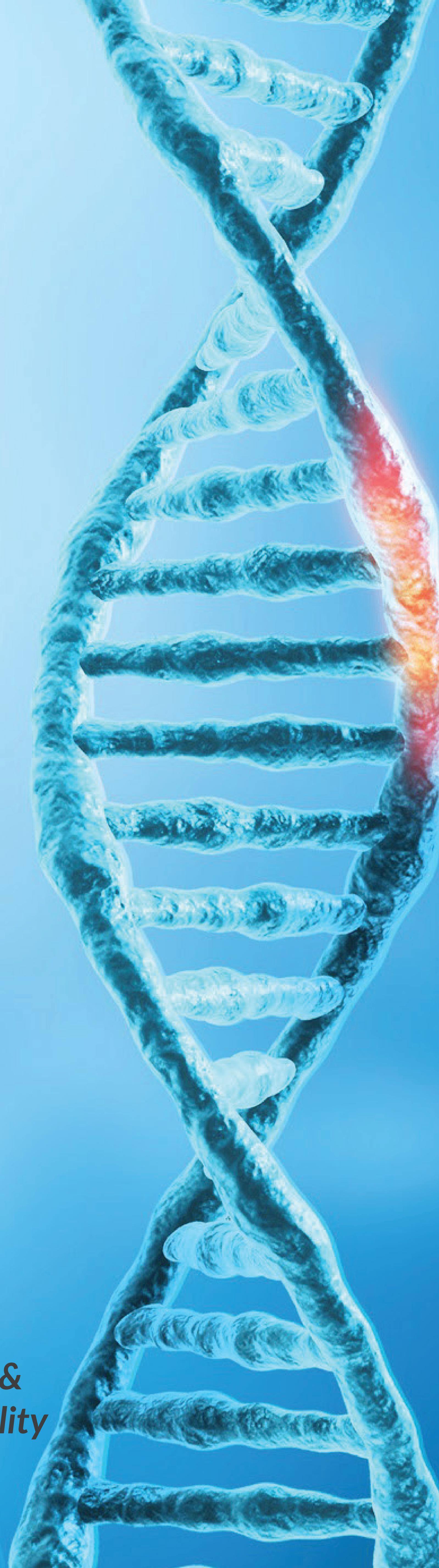


# Oligosure

Chemical Synthesis | Characterization | Purification  
Performance Assurance | Dispensing, Drying & Packaging



**Quick Synthesis &  
Best-in-Class Quality**



# Specifications

## Synthesis Scales

0.2, 1.0, 2.0, 5.0, 10.0 & 20.0  $\mu\text{mol}$

## Purifications

PAGE, Desalting, HPLC

## Characterization

LCMS, PAGE, Analytical HPLC

## Sequence Lengths

10 – 60 bases (inquire for longer sequences)

## Quantity

1ug to 1gm scale

## Formats

Supplied Lyophilized or solution in tubes or 96 deep well plate (inquire for other)

## State of art facility:

1. DNA Synthesizer
2. Prep HPLC
3. LCMS
4. Lyophilizer
5. UV-spectrophotometer/nanodrops

# Modifications

## Sugar modification

2'-Ome, LNA

## Backbone modification

Phosphorothioate

## 3'/5' Fluorophore

FAM, HEX, TAMARA, BHQ-1, BHQ-2, Cy3, Cy5






## 5'/3' Tagging

GalNAc, Biotin


## Base Modification

Inosine, 5'-Me Thymidine, 5'-Me Cytosine


## Oligo Characterization and Quality Checks

-  Chemically synthesized oligo on automated oligo synthesizer
-  Synthesis monitor by trityl monitor
-  Quality and purity checks using HPLC and PAGE
-  Molecular mass analysis by LCMS
-  Yield calculations using absorbance

## Oligo Purifications

-  The analyzed oligo purified by RP-HPLC or PAGE and lyophilized in tube or plate format

## Oligo Performance Check

-  Rigorous oligo performance checks using various in-house R&D applications such as RT-PCR, NGS, Sanger sequencing etc.