

CUSTOM OLIGO MANUFACTURING

High quality and purity, custom synthesized oligonucleotides, using solid phase manufacturing.



Ajinomoto Bio-Pharma Services offers the capacity and quality to scale your process through clinical development and commercialization.

CUSTOM OLIGONUCLEOTIDES

- Solid phase synthesis
- High quality & purity
- Research to commercial scale: µg to 10 kg
- Process development / scale-up



RNA

- Long chain RNA (up to 100 mer: aptamer, pre-miRNA)
- siRNA
- miRNA
- Various modifications (special bases, terminal labeling, and more)



BNA & LNA

- Antisense therapeutics
- Structural reinforcement for siRNA & aptamers
- Functional inhibition of miRNA
- in situ hybridization for miRNA probe



BIO PHARMA

THE POWER TO MAKE

CUSTOM OLIGO MANUFACTURING

LONG CHAIN RNA - OVER 100 MER POSSIBLE

M 1 2

140 mer RNA with TBDMS RNA amidite

Denatured PAGE Analysis

M: Single Strand Marker (60, 80,100, 120)

1: Purified 140 mer RNA type 1

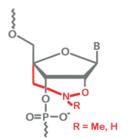
2: Purified 140 mer RNA type 2

Various Types of Modified Bases Available

- 2'-Ome RNA
- 2'-F RNA
- LNA
- BNA
- Contact us for additional options

BNA (BRIDGED NUCLEIC ACID)

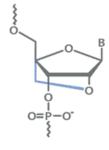
- High binding affinity to RNA & DNA
- Improved resistance to enzymatic degradation
- · Low in vivo toxicity

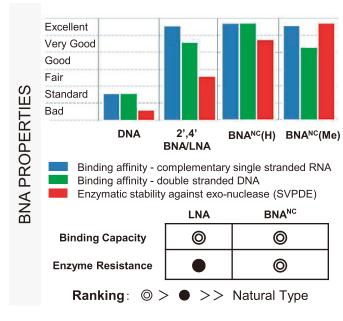


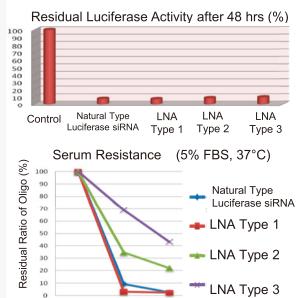
LNA (LOCKED NUCLEIC ACID)

- Improved thermostability for DNA & RNA
- Sequence specific conjugation
- Low cytotoxicity

_NA PROPERTIES







* BNA products are licensed by BNA, Inc. ** siRNA products are licensed by Alnylam.





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