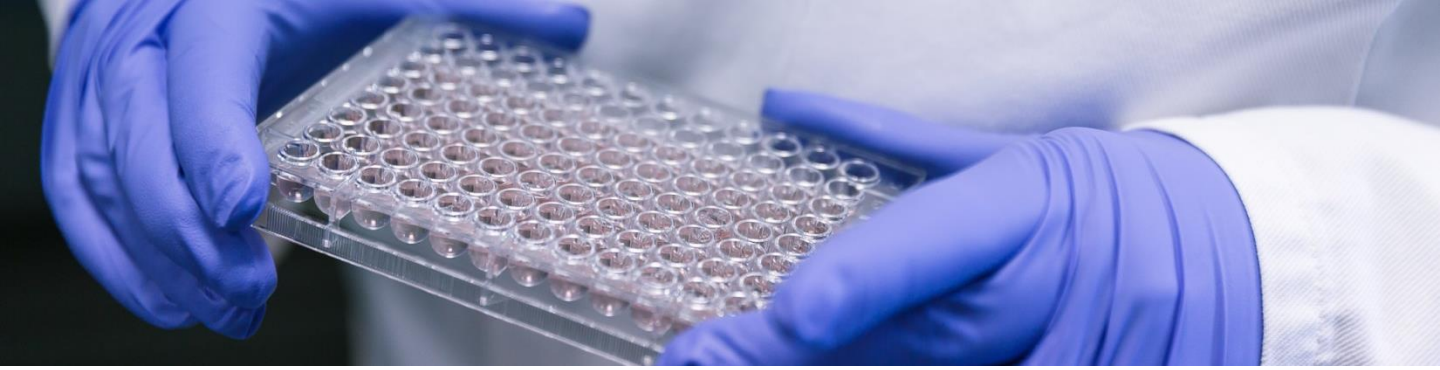
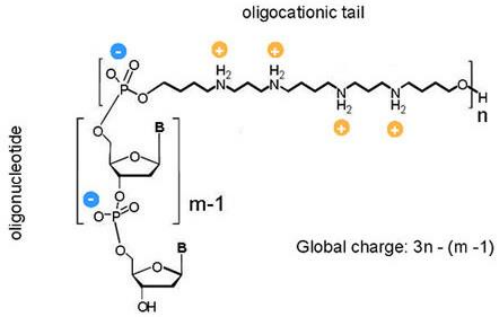


Modified oligonucleotides

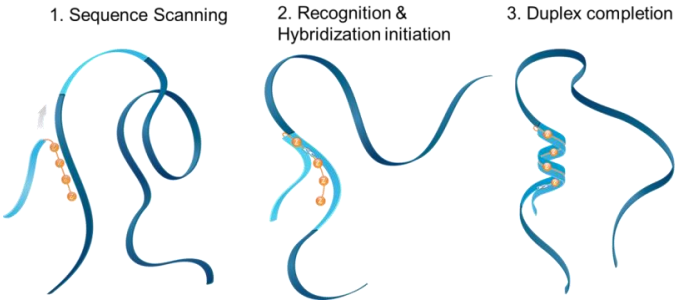
Zip Nucleic Acids: ZNA®

Improve your nucleic acids interaction with positively charged oligonucleotides

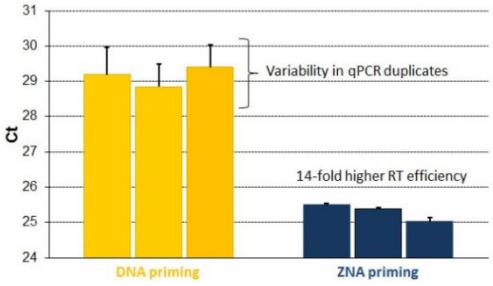
- High affinity oligonucleotides
- Adjustable and predictable Tm
- Fast binding to target sequence
- Efficient as PCR primers or probes
- Easy to design
- Improved RNA to cDNA conversion during Reverse Transcription



ZNA® structure. ZNA® are formed by conjugating spermine derivatives, as cationic moieties (Z units), to oligonucleotides. ZNA® show increased affinity for their targets by reducing the electrostatic repulsion between nucleic acid strands. These properties make ZNA® promising powerful tools for molecular biology and diagnostic applications.



3 steps mechanism to improve binding, affinity and kinetics. ZNA® enhance the affinity for their target by accelerating the complementary sequence recognition. ZNA® increase the binding and stabilize the formed duplex by reducing electrostatic repulsion, thereby increasing the Tm.



ZNA® primers improve the conversion of RNA to DNA. Conversion comparison of HMGA-2 transcripts to DNA obtained by RT of 200 ng of total RNA extracted from HeLa cells using 100 nM of standard DNA primer and ZNA® primer.

ZNA® is a licensing opportunity

For more information, contact our specialists at:
support@polyplus-transfection.com

Polyplus transfection® THE DELIVERY EXPERTS

Contact us by mail:
850 bd Sébastien Brant
67400 Illkirch
FRANCE

1251 Ave of the Americas
3rd Fl
New York
NY 10020 USA

Contact us by phone:
Phone: +33 (0)3 90 40 61 80
Fax: +33 (0)3 90 40 61 81

www.polyplus-transfection.com