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PNA (Peptide Nucleic Acid) is an artificially synthesized polymer similar to DNA or RNA. The various purine and pyrimidine bases are linked to the backbone by methylene carbonyl bonds as in peptides. Since PNA contains no charged phosphate groups, the binding between PNA and DNA is stronger than that between DNA and DNA due to the lack of electrostatic repulsion. PNA is resistant to DNases and proteases, and is extremely stable in vivo as well as in vitro.

PNA Applications

- Sequence specific PCR blocker (PNA clamp)
- FISH probes for telomere, centromere, gene specific probes, infection test
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- Double strand DNA invasion & capture
- Microarray probes

PNA Order

- The price of custom oligo is dependent on the length, amount and label
- HPLC and MALDI-TOF data will be provided
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For more information, visit www.labcyte.com/slas2018.

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Assistant Professor of Biochemistry, Emory University School of Medicine

Christopher Holley, (MD, PhD)
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