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Peptide Nucleic Acid Clamping

National Cancer Institute

Source

National Cancer Institute. *Peptide Nucleic Acid Clamping*. NCI Thesaurus. Code C99487.

A modification of the standard polymerase chain reaction that increases the ability to preferentially amplify mutant alleles in the presence of an excess of wild-type molecules. Wild-type molecules are rendered inactive for amplification by binding of a peptide nucleic acid (PNA) probe that hybridizes to wild-type sequence with greater affinity and under less stringent conditions.