Universal Support Introduction

A universal support, in the context of phosphoramidite-based oligonucleotide synthesis, is a specially designed chemical linker, attached to a controlled pore glass (CPG) bead, which can efficiently couple to any phosphoramidite (1). Gene Link offers the option of a universal support in order to provide the customer with the maximum possible number of moiety options that can be placed at the 3’-end of an oligonucleotide. Using a universal support is often necessary when an unusual base or rare modification is desired at the 3’-end, but said base/modification is not itself available as a CPG reagent, that is, pre-attached to CPG beads.

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Universal Support Design Protocols

N/A
Universal Support Applications

As described in the Introduction, the chief advantages of a universal support is that it allows the maximum possible number of moiety options at the 3'-end of a synthesized oligo, and permits synthesis of oligo with 3'-modifications that are not themselves available as a support.
References