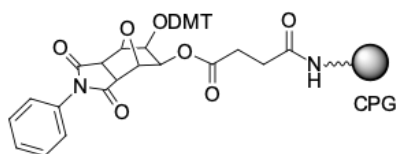


Universal CPG type II, 500A

<http://www.lumiprobe.com/p/universal-cpg-type-2-nylinker-500>

The Universal CPG type II, 500 Å is used for oligonucleotides synthesis to increase rate of dephosphorylation of the 3' end oligonucleotide during deblocking due to a rigid bicyclic molecule on the support.

The Universal CPG type II, 500 Å is suitable for use in harsh conditions and makes cleavage and deprotection with anhydrous ammonia gas-phase, ammonium hydroxide/methylamine (AMA) mixture or other basic reagents faster compared to universal Controlled Pore Glass (CPG) supports. Pore size of 500 Å is recommended for the synthesis of oligonucleotides up to 50 bases. For oligos up to 120 bases [universal support 1000 Å](#) or [1400 Å](#) can be used.



Structure of Universal CPG type II, 500A

General properties

Appearance:	white powder
Quality control:	loading measurement, functional testing in oligo synthesis.
Storage conditions:	24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Oligo synthesis details

Pore size, Å:	500
Typical loading, µmol/g:	50–80
Coupling conditions:	standard conditions for universal CPG
Cleavage conditions:	2 hours at 80 °C or 8 hours at 55 °C using concentrated ammonia; 15 minutes at 65 °C using AMA mixture, ammonium hydroxide- 40% methylamine (1:1)
Deprotection conditions:	identical to protected nucleobases