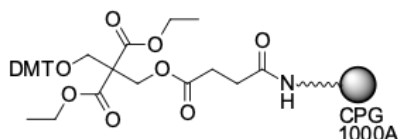


Phosphate CPG 1000 solid support

<http://www.lumiprobe.com/p/phosphate-cpg-1000>

Phosphate modified oligos are used for gene synthesis by ligation, and other applications. Phosphate CPG 1000 is a modifier solid support for the synthesis of oligonucleotides bearing phosphate at 3'-end.

CPG 1000 is suitable for the synthesis of long oligos up to 100 base pairs, the use of long oligos allows for a more efficient gene assembly. The CPG is compatible with standard synthesis and deblocking procedures, it ensures smooth cleavage and complete phosphorylation.



Structure of phosphate CPG 1000 solid support

General properties

Appearance:	off-white beads
Quality control:	NMR ¹ H, HPLC-MS (95%) of bound reagent, loading measurement, functional testing (oligo synthesis)
Storage conditions:	Storage: 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:	1000
Typical loading, umol/g:	30–50
Coupling conditions:	standard coupling, identical to normal nucleobases
Deprotection conditions:	ammonia, 2 h at room temperature