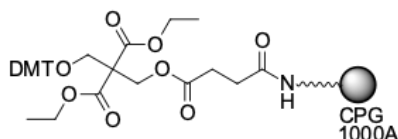


## Phosphate CPG 1000 solid support

<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 prime end.

CPG 1000 is suitable for the synthesis of long oligos up to 120 mer, 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

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#### General properties

Appearance:	off-white beads
Quality control:	NMR <sup>1</sup> 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.

#### Oligo synthesis details

Pore size, Å:	1000
Typical loading, μmol/g:	30–50
Coupling conditions:	standard coupling, identical to normal nucleobases
Cleavage conditions:	ammonia, 2 h at room temperature
Deprotection conditions:	identical to protected nucleobases