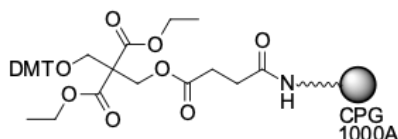


Phosphate CPG 1000 solid support

<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

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.

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