

Lucigen now distributed by **TEMA ricerca**

About Lucigen

Lucigen was founded in 1998 to develop novel, useful products and technologies for advancing life science research. Our unique kits and methods are used by researchers worldwide to achieve dramatic advances in gene cloning, genomics, and protein expression. These products allow successful cloning of genes and genomes that have been impossible to obtain with standard methods.

Product Lines:

Cloning Systems

Lucigen has developed novel transcription-free cloning systems designed to improve cloning yields, reduce cloning bias and improve sequencing throughput.

Competent Cells

As the leader in advanced products for molecular biology, Lucigen offers the best performance, price, and value in competent cells for cloning and expression...from the unequalled high performance of *E. coli*® 10G SUPREME Electrocompetent Cells for ultra high efficiency cloning, to the only choice for successful expression of toxic proteins: the new OverExpress™ Competent Cells. No other supplier offers the spectrum of competent cells for your cloning and expression needs.

PCR & Amplification

Lucigen offers a variety of nucleic acid amplification products designed for your needs. We are continually expanding your options by discovering and developing novel classes of enzymes with unique capabilities.

DNA & Repair

Lucigen has done extensive research to optimize the end repair of DNA fragments. The result is the DNATerminator® Kit, designed for cloning of physically sheared DNA, and the PCRTerminator® Kit, for cloning PCR amplified DNA. The DNATerminator Kit is NOT recommended for end-repair of PCR products containing single 3'-nucleotide overhangs. The PCRTerminator Kit is specifically optimized to remove the single overhanging base and to phosphorylate the PCR product.

Enzymes

Lucigen manufactures high purity, high activity enzymes formulated and tested for research and other applications.

Protein Expression

New Espresso™ T7 Cloning and Expression System is the fastest and easiest PCR-based directional cloning system available. This complete system provides cloning-ready pETite™ T7 N- and/or C-His Vectors and two HI-Control™ competent cell lines, one for enzyme-free stable cloning and the second for tightly-controlled protein expression.

NextGen Toolbox™

Reagents for DNA Sample Preparation

CAZyme™ Carbohydrases

Carbohydrases (glycosyl hydrolases; EC 3.2.1.-) catalyze the hydrolysis of the glycosidic bond between two or more carbohydrates or between a carbohydrate and a non-carbohydrate moiety. These proteins are an increasingly important class of enzymes with numerous research and industrial applications