



New England Biolabs

ABOUT

New England Biolabs – 50 Years of Passion for Science

Created by scientists for scientists, New England Biolabs is proud to be a world leader in the discovery and production of enzymes for molecular biology applications. Since our establishment in 1974, we have remained committed to developing high quality, innovative products that not only empower your research but also our own. Our profits have always funded an extensive research program, which we believe is critical for staying connected to our customers and helping to drive scientific breakthroughs. From our founding principles to our unique corporate culture, NEB's philosophy can be distilled down to three core values: passion, humility and being genuine.

NEB offers the largest selection of recombinant and native enzymes for genomic research. While restriction enzymes remain part of our core product portfolio, our ever-expanding catalog also includes products related to PCR, gene expression, sample preparation for next generation sequencing, synthetic biology, glycobiology, epigenetics and RNA analysis. Additionally, we are also focused on strengthening alliances that enable new technologies to reach key market sectors, including molecular diagnostics development and nucleic acid vaccines.

Social Responsibility & Sustainability

While our passion for science helps us to drive discovery, we continue to be guided by our responsibility to each other and our community. We continuously strive to promote ecologically sound practices and environmental sustainability in order to protect our natural resources. As an additional measure, NEB has received ISO 14001 certification, a quality standard for environmental management systems. We also recognize that we must work together to build a more equitable society and improve diversity, equity and inclusion in our workplace.

Basic and Applied Science

We believe that basic research and the cultivation of scientific knowledge is critical for us to stay connected with our customers and to drive scientific breakthroughs. At NEB, over 30 labs participate in research projects, which are aided by post-doctoral fellows and students in Masters and Ph.D. programs. NEB researchers have authored or co-authored over 1,450 publications to date. With a dual focus on basic and applied research, NEB's culture is both collaborative and academic.

Scientific Customer Service

NEB always was conceived to be a part of the scientific community by providing top quality tools and experimental expertise. This philosophy has continued to the present day. Our support model is unique as it utilizes technical support scientists, scientist responsible for product development or manufacturing, and product line experts. As such, customers are supported by scientists and often experts in the product or its application.

Scientific Exchange at the NEB Booth

Discover our extensive product portfolio: from polymerases and qPCR reagents to NGS library prep workflows and DNA/RNA purification kits – just to name a few of the highlights. Visit our booth to explore the latest innovations, grab useful lab goodies, and order free test samples. Our dedicated NEB representative will be available throughout Industry Day to assist you and answer any questions at the NEB booth.

INDUSTRY TALK



Dr. Max Körner, Technical Support

Cell-free Enzymatic DNA Production - The EnClose Cell-free dbDNA Synthesis Kit

In the medical field, nucleic acid therapeutics are increasingly recognized for their broad potential in personalized medicine and addressing emerging pathogens. These therapies are supported by clinical studies conducted under stringent regulatory and safety requirements, including the elimination of bacterial sequences and antibiotic markers from DNA constructs. Considering these requirements early in the development process helps to accelerate the transition from research to GMP manufacturing. To support these rapidly evolving applications, New England Biolabs released the EnClose Cell-free dbDNA Synthesis Kit enabling cell-free enzymatic production of closed-end linear DNA. Allowing the direct use of dbDNA in sensitive applications, including gene editing and mRNA therapeutic workflows, such as in vitro transcription (IVT), LV and AAV vector production in a streamlined one-day workflow.