

Social Responsibility & Sustainability

New England Biolabs



“We believe that the pursuit of science is one path to building a greener and more compassionate world.”



At New England Biolabs (NEB®), we are motivated by a set of core, foundational values that are as true today as they were when the company was founded in 1974: the belief that science should be used to expand our understanding of the world around us; the belief that scientists can also act as humanitarians; the belief that all species, great and small, benefit when we care for the environment; and the belief that great science is fundamentally creative and artistic, and changes the way we see and experience our world.

Many of the initiatives described in this document take place at NEB's facilities in Ipswich, Rowley and Beverly, MA, U.S.A. Our subsidiary offices throughout the world are also committed to the same core values and sustainability practices.

Contents

- 3** **Being a Responsible Company**
- 4** **Employee Well-Being and Activism**
 - B Corp Certification
 - Diversity, Equity and Inclusion
 - Child & Parent Care
 - Community Garden
 - Community Service Days
 - Physical Fitness
 - Commitment to the Arts
- 14** **Scientific Advancement and Education**
 - Passion in Science® Awards
 - Scientific Conferences
 - Innovation Awards
 - Weekly Seminar Series
 - Student Internships
 - Molecular Biology Summer Workshop
 - Educational Course Support
 - Kids Science Day
- 20** **Philanthropy and Foundation Support**
 - Creative Action Institute
 - New England Biolabs Foundation
 - Ocean Genome Legacy
 - Corporate Donations Committee
- 22** **Environmental Stewardship**
 - Environmental Support
 - Environmental Responsibility on Campus
 - Our Facility
 - Waste Management and Recycling
 - Wastewater Treatment
 - Responsible Business Practices

Employee well-being and activism

7

years is the average tenure
of an NEB employee



“We are committed not only to further reducing our environmental impact but, just as importantly, to improving the well-being of our employees, surrounding communities and the life science industry. We hope to see more science organizations join us in this endeavor.”

Our corporate culture transcends traditional employee well-being programs by recognizing the importance of healthy minds and bodies. Innovation from all employee levels is encouraged and recognized, as is community service, support of education and appreciation of the arts.



Certified B Corporation®

NEB is proud to have become a Certified B Corporation (B Corp™), joining a global community of people using business as a force for good™. With this certification, NEB becomes one of only a select few life science organizations to be recognized for its commitment to environmental stewardship and social responsibility.

B Corps are for-profit businesses that meet the highest verified standards of social and environmental performance, transparency and accountability – balancing profit and purpose. For more information on B Corp Certification, visit bcorporation.net.



“NEB is committed to its role in advancing racial justice and equity within our company, the life sciences industry and the broader community.”

Diversity, Equity and Inclusion

Deep-rooted racial inequities and systemic discrimination against the Black community must be acknowledged by all of us. Furthermore, we recognize that Black, Indigenous, People of Color (BIPOC) and other marginalized groups experience discrimination and inequities in ways that are egregious and painfully routine in the life science industry and STEM disciplines.





At NEB, we strive to have a diverse culture that encourages open communication and inclusive behaviors which affords everyone an opportunity to have a voice into how we address these complex issues.

Our Diversity, Equity and Inclusion Team is dedicated to developing a detailed and accountable plan to put our passion into practice. The team is divided into four groups:



Social Justice Philanthropy

support and partner with groups that aim to advance racial justice, social justice, environmental justice, and equity in science.



STEM Education & Mentorship

actively partner with local organizations to provide access to NEB's educational resources and mentoring opportunities, such as science projects, curriculum materials, and both high school and college internships.



Social Justice Outreach

alleviate the burden that communities of color face, such as providing supplies to support children and family needs.



Diversity, Equity & Inclusion @ NEB

bring anti-racism education to NEB by providing access to resources, research, and speaker seminars to improve awareness and understanding.

Child & Parent Care

We feel that it is important for employees to enjoy parenthood with a healthy work-life balance. For approximately 40 years, NEB has provided on-site child care, enabling busy parents the convenience of having their children close by. In 2024, we opened a new childcare facility that doubles the capacity and enables children to connect with the environment.

NEB is also enrolled in Cariloop, a caregiver benefit that supports employees by conducting research, answering questions, and providing next steps to support employees children, as well as their aging parents.





Community Garden

Every spring, dozens of NEB employees begin preparing soil and seedlings to plant in our community garden, which provides organically-grown produce for many NEB families.

600

hours of community service were completed by NEB employees in 2023 during paid service days



Community Service Days

We feel it is our duty to help enhance and improve local communities, and encourage employees to participate in community-based activities with paid time off for service days.

Each year, NEB employees complete between 600-800 hours of community service for a range of programs, including:

- Sorting and bundling clothing at the Community Giving Tree
- Planting farms for The Food Project
- Working at the Northeast Animal Shelter
- Packing Thanksgiving dinners at The Open Door
- Gardening at The Crane Estate
- Building beds at A Bed for Every Child
- Serving meals at Haven for Hunger
- Beach clean-up events at Crane Beach

“One can never underestimate the role that physical fitness and fresh air play in building healthy minds and bodies.”

Physical Fitness & Wellness

NEB headquarters encompasses 160 acres of largely protected green space, with numerous trails and fields that are used by NEB employees as well as local programs. The campus also includes a state-of-the-art gym with designated rooms for exercise and yoga classes.

NEB offers fitness reimbursements, webinars, telehealth, online cognitive behavioral therapy, meditation and virtual yoga. Additionally, a wellness work/life program through KGA, Inc., a leading provider of holistic life services and wellness solutions, is available for employee use.

Employees are also welcome to participate in a wide range of group activities that promote wellness and offer the chance to connect with coworkers from other departments. Examples include soccer, running, golf and tennis, to name a few. For those preferring a more creative experience, clubs such as the book club, baking club and maker's group are also available.







“NEB has supported my passion for conducting cutting edge research AND raising awareness of the beauty of bacteria through the universal language of art. By collaborating with Maria, a local artist, we have been able to produce award winning agar art.”

MEMO, NEB RESEARCHER AND ADVOCATE
OF THE ARTS FOR OVER 18 YEARS



“We believe that there is a close connection between art and science—both are important aspects of culture and driven by creativity.”

Commitment to the Arts

NEB supports many local art-based organizations and art schools. Our campus is also filled with art, including sculptures, paintings, ceramics and artifacts from all over the world. NEB headquarters features revolving art exhibitions from local and regional artists in the Boston area. These works can be purchased by NEB, or its employees, in support of the local art community.

14

**local artists were selected
to have their art displayed at
NEB's MA locations in 2023**

Scientific Advancement and Education

“We are dedicated to supporting young scientists and science educators by providing reagents, educational materials and technical expertise.”



Passion in Science Awards®

In commemoration of our 40th anniversary, NEB introduced the Passion in Science Awards to recognize members of the scientific community who are committed to making a difference through their science, service, stewardship or artistic endeavors.

Based on NEB's foundational values, the Passion in Science Awards are offered in four categories:

- Inspiration in Science/Scientific Mentorship
- Humanitarian Duty
- Environmental Stewardship
- Arts and Creativity

To learn more about the Passion in Science Awards and view past winners' stories, visit www.neb.com/PassioninScience



2016 Passion in Science Award Winners



“Winning the award was incredibly encouraging and humbling, especially coming from such a prestigious institution like New England Biolabs, and it was validating as well as it reinforced my belief in the power of combining the science and medicine with the arts to create something meaningful and having that meaningful impact on our audience.”

SHELLY XIE, M.D., MASTERS CANDIDATE,
ARTS IN MEDICINE, UNIVERSITY OF FLORIDA

43

Passion in Science Awards
have been given to
well-deserving scientists



2019 Passion in Science Award Winners



2023 Donald G. Comb
Lectureship awardee
Jo Handelsman (center).



NEB Green Event hosted at Lab Central



NEB Innovation Award
winners receive one-of-
a-kind slate carvings
designed by local artist,
Michael Updike.

Scientific Conferences

NEB encourages its employees to attend scientific conferences. This is a great opportunity for our scientists to present their work and develop relationships with other researchers working in their area of interest. NEB scientists often share their work at poster sessions and speaking events.

Innovation Awards

At NEB, we feel it is important to emphasize “blue-sky” thinking. We encourage our employees to take risks and execute on their new ideas. Each year, we are proud to recognize employees who contribute and bring to fruition novel ideas that help make NEB a more efficient or better place to work, or that help drive scientific innovation.

Donald G. Comb Honorary Lecture

This annual event honors Don Comb, NEB’s founder and first CEO. When Dr. Comb founded NEB in 1974, he brought a vision for the company that integrates production of molecular biology reagents with basic research. Selected speakers are pioneers of basic research who have had an impact on molecular biology and related fields, especially those whose work has significant impact on problems affecting the world at large.

Weekly Seminar Series

In addition to our own in-house lecture series, NEB also invites guest speakers to present their work each week. These seminars cover a wide variety of topics and include cutting-edge research, and they are always well attended. The seminar is followed by lively lunchtime discussions between the speaker and NEB researchers.





Student Internships

For over 40 years, NEB has offered internships to students from local, national and international high schools and universities, which can take place during the summer or the school year. This experience has helped many of our interns go on to become prominent scientists and business leaders, and it also gives our employees the rewarding opportunity to act as mentors to young and enthusiastic students.

Molecular Biology Summer Workshop

For almost 40 years, NEB has sponsored a course for non-scientists who want to learn the basics of molecular biology. This two-week intensive, hands-on course has been attended by over 4,000 students and is the largest and longest running molecular biology course for professionals in the world. To learn more, visit www.neb.com/summerworkshop.

Educational Course Support

NEB is proud to offer reagents and technical support to high school and collegiate teaching labs and educational courses in the US. NEB also supplies reagents, free of charge, to participants in both iGEM and BioBuilder®. To learn more, visit www.neb.com/student-services.

Kids Science Day

In 2017, NEB introduced the “NEB Kids Science Day.” Filled with educational activities and presentations, the Kids Science Day is designed to get young children interested in science, technology, engineering, art and mathematics (STEAM). This program was extended to include teachers in the local community.



“Having NEB scientists present their work at my school has made me even more excited about a possible career in the life sciences!”

TESSA, FORMER IPSWICH HIGH SCHOOL STUDENT, IPSWICH, MA



Philanthropy and Foundation Support

Our philanthropic focus is on educational, environmental, civic and cultural arts initiatives that strengthen our community and improve life for its citizens and future generations. NEB has played a role in the establishment of several foundations devoted to humanitarian efforts and environmental awareness.

Women's Justice Initiative display portraits and statements about why they work to advance gender equality in Central America. Photo credit: © Isabel Carrió, Field Project Manager for The Creative Action Institute



The Creative Action Institute: Formerly known as ArtCorps, the Creative Action Institute works at the intersection of creativity and social change. Members work to globally build the capacity of leaders and organizations for innovation, collaboration and resilience to advance conservation, health and human rights. Visit CreativeActionInstitute.org to learn more.

New England Biolabs Foundation: Established in 1982 by NEB founder Dr. Donald Comb, the New England Biolabs Foundation (NEBF) is a private, independent foundation whose mission is to foster community-based conservation of landscapes and seascapes, and the bio-cultural diversity found in these places. For more information, visit nebf.org

Ocean Genome Legacy:

The Ocean Genome Legacy Center of New England Biolabs is a non-profit research center dedicated to conservation of marine genomic diversity and maintaining a repository of genomic DNA from marine organisms around the world. Learn more at northeastern.edu/oglc.



Photo credit: © Jessica Brown; Southwest Cameroon; New England Biolabs Foundation

Corporate Donations Committee

A volunteer committee of NEB employees from a variety of departments reviews and approves requests for monetary donations to a wide range of grassroots community organizations.

NEB also hosts a corporate giving program that provides money for each employee to donate to the charity or cause of their choice.

In 2023, NEB was able to provide support to a wide variety of organizations:

environment

NEB Foundation*, OGL*, Trustees, Reforest the Tropics, Ipswich Watershed, Guanacaste Dry Forest

other organizations

employee contributions, food insecurity, NE Animal Shelter

community & art

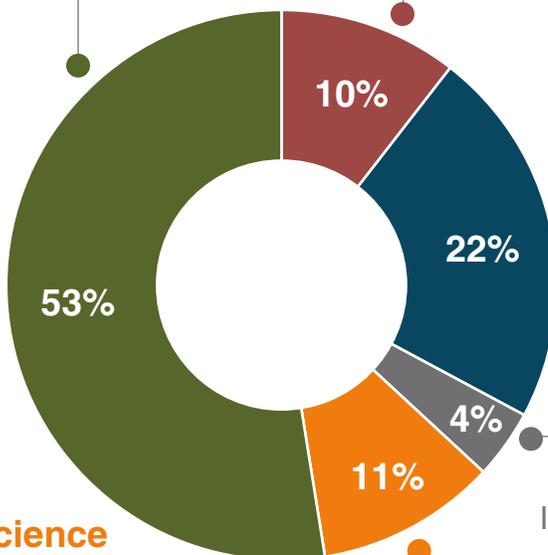
Creative Action Institute*, Northeast ARC, Raw Art, Ipswich YMCA

diversity, equity & inclusion

Indigo Art Alliance, Science Club For Girls, Northeast Legal Aid, History Unerased

education & science

Change Is Simple, GMGI, Science From Scientists





NEB participants in The Run of The Charles





Environmental Stewardship

Environmental stewardship is one of the founding principles of NEB. By promoting and supporting like-minded organizations worldwide, NEB hopes to ensure the protection and preservation of natural resources, both locally and globally.

Some of the environmental groups NEB has supported include:

The Trustees of Reservations, an organization dedicated to the preservation of properties with exceptional scenic, historic, and ecological value in Massachusetts for public use and enjoyment.

Conservation Law Foundation, whose mission is to utilize their expertise in law, science and the market to address New England's environmental challenges, and create solutions that preserve our natural resources, build healthy communities and sustain a vibrant economy.

Essex County Greenbelt, an organization designed to help landowners, farmers, cities, towns and organizations realize their land conservation vision. As a result of their efforts, they have protected over 15,000 acres of land in Essex County.

The Ipswich River Watershed Association works to protect nature and make sure that there is enough clean water for people, fish and wildlife, today and for our children and theirs.

Reforest the Tropics works to fight climate change, increase biodiversity and improve the quality of life for local residents through sustainable reforestation.

American Bird Conservancy is an organization dedicated to conserving wild birds and their habitat.



Essex County Greenbelt Bike Race

Environmental Responsibility on the NEB campus

We continuously strive for improvement in our business processes in order to minimize and, where possible, mitigate our impact on the environment.

NEB headquarters, located in Ipswich, MA, lies on 160 acres of mixed forest, wetlands and agricultural land, with 101 acres under conservation restriction. The property hosts public trails for hiking, skiing, bird-watching and horseback riding, and provides a home for a vast array of wildlife species. An internal email alert system called "The Nature Network" allows employees to share sightings of the diverse wildlife gracing our campus. Employees can also take part in walks led by the MA Audobon Society. Our love of nature has led to several wildlife conservation efforts at NEB.

The NEB nest box project found its inspiration in the large number of bluebirds seen on our campus each spring. We have a network of maintained nest boxes designed for attracting bluebirds, and also other native nesting birds, such as black-capped chickadees, wrens and tree swallows. Additionally, in order to preserve nesting areas, NEB has adjusted its mowing schedule and manages its meadows very carefully.





We are also installing new patterns on glass in certain areas to minimize bird strikes— testing the most effective intervention methods.

The wetlands that lie adjacent to the NEB campus are home to eastern painted turtles and snapping turtles. As the females travel to dig nests and lay eggs, they are directly in harm's way as they cross our roadways. A yearly informational summary is emailed to every employee regarding how to safely monitor or actively assist any turtle crossing the company's roads, and roadside signage informs visitors to take caution.

NEB employees are also invited to be a part of NEBGreen, a volunteer group that continually assesses and helps prioritize NEB's sustainability initiative and activities.



Our Facility

NEB's laboratory facilities in Ipswich, Rowley, and Beverly, MA are LEED® (Leadership in Energy and Environmental Design) certified, a distinction based on a suite of environmentally focused standards that include site sustainability, water efficiency, energy conservation and emissions reduction, sustainable building materials and resources, indoor environmental quality and innovation. In 2009, NEB also received a "sustainable design" award from the Boston Society of Architects. NEB has also received ISO 14001 certification, a quality standard for environmental management systems.

In 2023, NEB completed construction of a ~100K sq. ft. state-of-the-art expansion to its Ipswich facility. This new space incorporated sustainable building design at every touch point and integrates seamlessly into the natural environment.

Some examples of sustainable building design on our Ipswich campus include:

- A lighting control system that dynamically adapts lighting to building occupancy
- A heat recovery system, in which the heat that is exhausted from the building is recycled to help heat incoming fresh air
- Chillers that use Free Cooling when outside temperature is below 50°F
- High efficiency motors and lights, which reduce the speed of motors when maximum flow is not needed
- Roof top gardens and rain gardens to capture stormwater runoff

Other examples of environmentally-sound building choices:

- 100% of the total roofing is energy star compliant
- 7% of the building is composed of recycled material
- Low VOC paints, carpets and adhesives are used inside the facility
- Conservation of the property's trees and land, which exceeds open space requirements by 54%
- Installation of solar panels to provide 7% of NEB's annual electric consumption
- Freezer management and efficiency programs
- Green cleaning policies

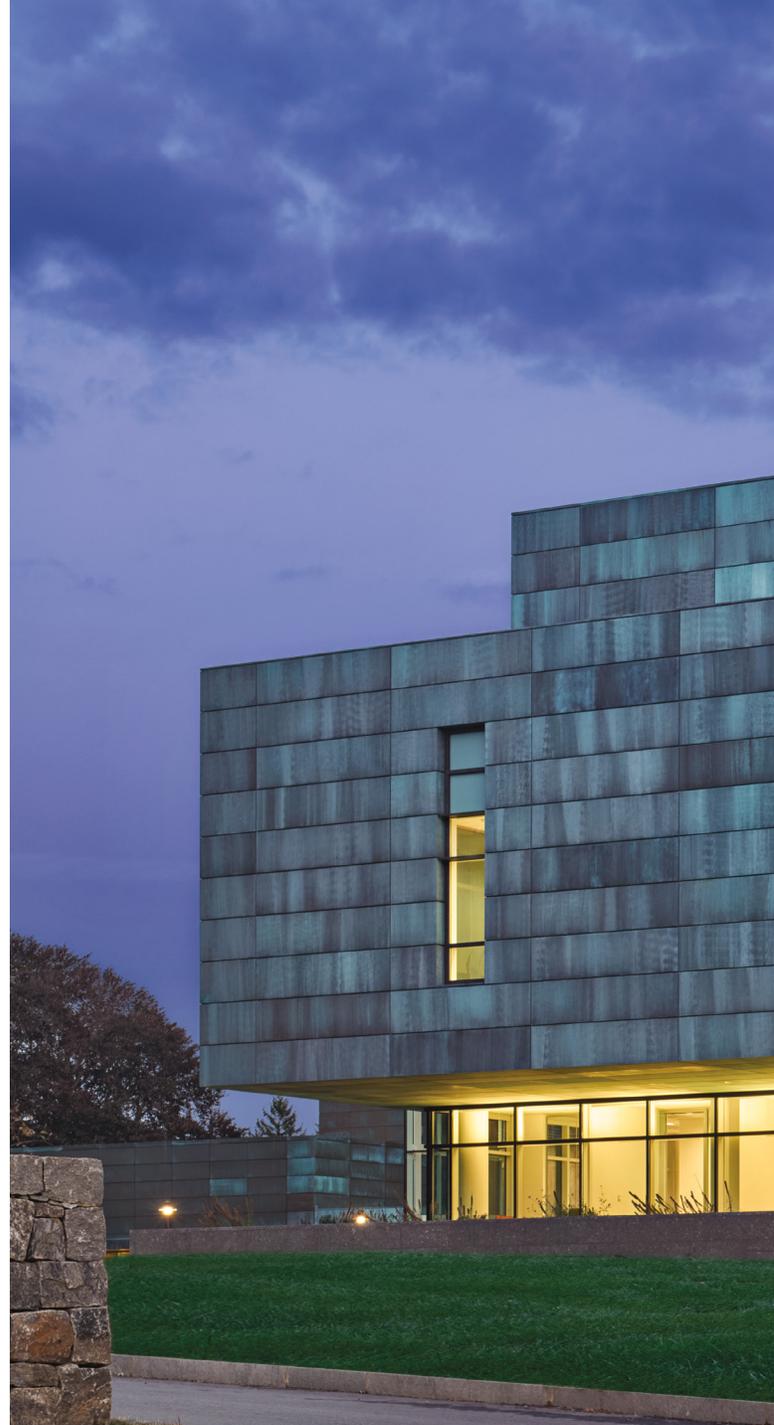




Photo credit: © Robert Benson Photography



Waste Management and Recycling

We constantly strive to reduce waste in all our manufacturing operations and seek the most responsible disposal options that minimize our impact on the environment.

Recycling and composting are two ways NEB works to reduce its carbon footprint. Furthermore, NEB requires that third-party hazardous waste contractors use waste-to-energy (also known as energy recovery) incineration, whenever possible. None of the waste generated by NEB headquarters goes into landfills.

All of our cafeteria waste is collected as compostable material. Cooking oil and grease are also collected and turned into biofuel. Together, these programs convert over 25,000 lbs. of material into valuable resources each month.

Recyclables are collected in the labs, offices, cafeteria, and kitchenette areas. Our extensive recycling program includes:

- Glass
- Plastic
- Paper
- Aluminum
- Cardboard
- Wood Pallets

Additionally, NEB hosts an annual Hazardous Waste Day for its employees to dispose of hazardous waste from their homes. This highly anticipated event recovers over 2000 pounds of material each year.

Biological waste generated in our research laboratories and production suites is processed by a carefully selected medical waste vendor. After rendering the waste non-infectious, the residual material is further processed and used to manufacture plastic construction materials.

NEB also works with Polycarbin to circularize lab plastic. The material collected in our Polycarbin circularization program is pelletized and turned into new lab products. This program prevents downcycling and helps to reduce reliance on new fossil-based plastics in laboratories.

Each year, NEB conducts an annual waste audit to assess our waste profile and track the impact of our diversion programs. Employees volunteer to help sort, categorize, and weigh the waste leaving our facilities. We use the findings to inform new waste minimization initiatives.



30,000
pounds of solid biological waste are recycled annually



160
tons of cafeteria waste is turned into compost in annually



100
tons of recyclables (cardboard, plastic, paper, glass, metal) are collected annually





Wastewater Treatment

Our main campus is located adjacent to the Ipswich River Watershed, a complex and sensitive ecosystem comprised of 45 tributary streams that covers 155 square miles and ultimately provides drinking water to 350,000 people in 14 communities. Building a full-scale life science reagent manufacturing operation in this setting presented an obvious challenge.

We partnered with an environmental engineering firm to design a wastewater treatment system that utilizes and accelerates processes found in streams and wetlands, and employs proven waste water treatment practices. This innovative method can treat up to 27,500 gallons of effluent per day through a series of filtration beds and aerated translucent tanks that host plant communities and aerobic microorganisms. The entire wastewater stream from our facility is treated, and the clean effluent is used for groundwater recharging, irrigation or it is disinfected and used to flush our toilets.



27,500

gallons of effluent can be treated per day and can be used for groundwater recharge

“Working at NEB has shown me the importance of composting and recycling, and how simple changes can make a big difference.”

CHRISTINE, PRODUCTION GROUP LEADER AND NEB EMPLOYEE FOR OVER 13 YEARS

Responsible Business Practices

It is our goal to continuously improve our business processes to minimize our impact on the environment.

Since 1975, our catalog has been printed on Forest Stewardship Council® (FSC) certified, 30% post-consumer recycled paper, reducing the need for trees, decreasing energy consumption and saving landfill space. In collaboration with Universal Wilde, our 2015-2016 catalog became the first CarbonNeutral®-certified catalog produced in the United States. More information on this topic can be found at carbonfund.org.

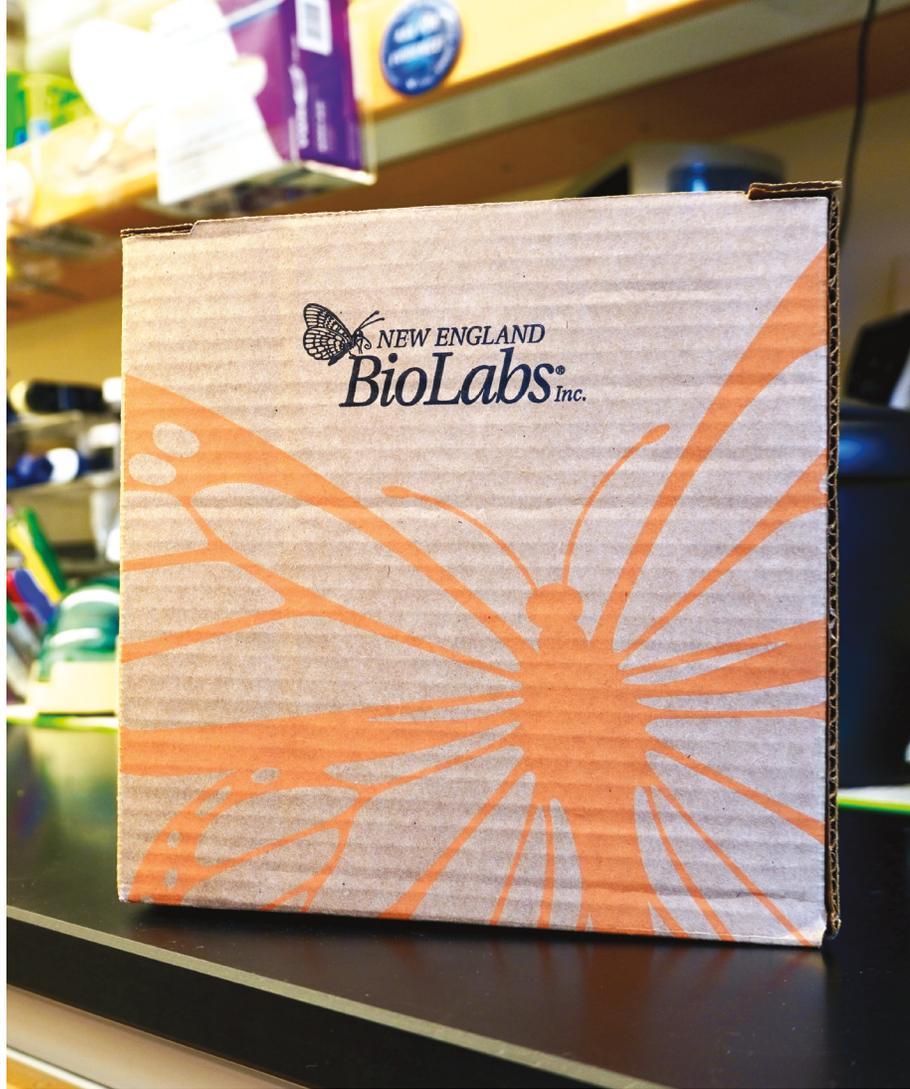
Excess packaging is one of the most wasteful uses of the Earth's resources. At NEB, we purposefully use minimal packaging materials for all of our products and use recyclable packaging whenever possible. We also try to reduce the use of plastics and fossil-based plastics.

NEB established its shipping box recycling program in 1976, diverting cardboard and polystyrene from landfills. In recent years, NEB introduced the ClimaCell® cooler, as an alternative to expanded polystyrene (EPS) packaging. This 100% recyclable solution for cold chain shipping was developed by TemperPack®. Several of our subsidiary offices also utilize recyclable shipping solutions.

Whenever possible, NEB utilizes local vendors in the manufacturing of its packaging, literature and other business needs. We also support local farmers through our food services and host a weekly farmers market for employees.

NEB employees are encouraged to share ideas to further improve these business processes and often help to develop more efficient protocols for reducing waste.

Interested in learning more about NEB, or any of our sustainable business practices and educational initiatives? Visit us at www.neb.com/about-neb





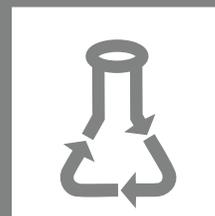
Labconscious

Labconscious is an open resource website for scientists to share green lab initiatives to reduce lab waste, use green chemistry, conserve water and save energy.

labconscious.com



Raise awareness by sharing ideas, protocols, and best practices



Empower scientists to make changes at their bench, in their lab, and across their work space



Inspire scientists to join the movement and teach others



USA

New England Biolabs, Inc.
Telephone (978) 927-5054
Toll Free (USA Orders) 1-800-632-5227
Toll Free (USA Tech) 1-800-632-7799
info@neb.com

Australia & New Zealand

New England Biolabs (Australia) PTY
Telephone: 1800 934 218 (AU)
info.au@neb.com
Telephone: 0800 437 209 (NZ)
info.nz@neb.com

Canada

New England Biolabs, Ltd.
Toll Free: 1-800-387-1095
info.ca@neb.com

China

New England Biolabs (Beijing), Ltd.
Telephone: 010-82378265/82378266
info@neb-china.com

France

New England Biolabs France
Telephone: 0800 100 632
info.fr@neb.com

Germany & Austria

New England Biolabs GmbH
Free Call: 0800/246 5227 (Germany)
Free Call: 00800/246 52277 (Austria)
info.de@neb.com

Japan

New England Biolabs Japan, Inc.
Telephone: +81 (0)3 5669 6191
info.jp@neb.com

Singapore

New England Biolabs, Pte. Ltd.
Telephone: +65 638 59623
sales.sg@neb.com

Republic of Korea

New England Biolabs Korea Ltd.
Toll Free: +82 (70) 47318478
info.kr@neb.com

United Kingdom

New England Biolabs (UK), Ltd.
Call Free: 0800 318486
info.uk@neb.com

neb.com



One or more of these products are covered by patents, trademarks and/or copyrights owned or controlled by New England Biolabs, Inc. For more information, please email us at busdev@neb.com. The use of these products may require you to obtain additional third party intellectual property rights for certain applications.

Your purchase, acceptance, and/or payment of and for NEB's products is pursuant to NEB's Terms of Sale at neb.com/support/terms-of-sale. NEB does not agree to and is not bound by any other terms or conditions, unless those terms and conditions have been expressly agreed to in writing by a duly authorized officer of NEB.

Forest Stewardship Council® is a registered trademark of Forest Stewardship Council. LEED® is a registered trademark of U.S. Green Building Council. CarbonNeutral® is a registered trademark of The CarbonNeutral Company. Styrofoam® is a trademark of the Dow Chemical Company. ClimaCell® and TemperPack® are registered trademarks of TemperPack Technologies, Inc. Certified B Corporation® is a registered trademark, B Corp® is a trademark and Using business as a force for good™ is a trademark of B Lab, Inc. BioBuilder® is a registered trademark of the BioBuilder Educational Foundation.

© Copyright 2024, New England Biolabs, Inc.; all rights reserved. Please Recycle.

