

Minimize your laboratory's environmental impact

Laboratories make it possible for all important research to take place, and can be highly energy intensive as a result. We know laboratories are resource-intensive, using significantly more energy to operate than the average office building, and many scientists express concern regarding environmental sustainability and waste challenges in the lab. From planning to discovery, learn how even the smallest choices you make as an innovator and laboratory professional can contribute to a healthier, cleaner, and safer world!



Resource-conscious designs



Sustainability starts at the drawing board. Seek products that are designed to minimize use of – and exposure to – hazardous materials, and buy from manufacturers who consider the entire life cycle of lab supplies in their design process. Look for suppliers that are providing data about their environmental claims through the ACT Label or other green product markings.

Consumables you can reuse

Plastic consumables are oftentimes the best choice for your lab, especially those you can reuse again and again. As is the case with many of our reusable Nalgene products, by the time you are ready to part with it, it may be recycled in some communities. Many of our products are made from polypropylene and polyethylene which are recyclable plastics.



Sustainably manufactured products



Is your manufacturer taking steps to reduce the environmental impact of product manufacturing? This process may include efforts to reduce material consumption, minimizing the use of hazardous chemicals, and reducing energy usage. By selecting an environmentally-minded supplier, you're choosing to reduce your lab's environmental impact on the world.

Low-impact packaging & shipping

Is your supplier reducing its carbon footprint through packaging material reductions and sustainable shipping procedures, such as opting for greener shipping containers like our recyclable paper cooler, or products that require minimal packaging, like reusable plastic labware? In the lab, think about your role in consolidating shipping options and opt to place orders with labmates to reduce the number of boxes being shipped.



Energy Efficiency



Check your equipment's energy consumption, emissions levels and heat output over the past year. Are you running equipment 24/7, even when it's not actively being used? Harvard University found its hood closing initiative saved the lab \$200,000 per year and more than 300 metric tons of CO₂. Explore alternatives that can minimize your lab's footprint while maintaining peak performance. For example, monitor cold storage equipment with a predictive maintenance device, put equipment on timers to shut off at night, use sleep modes, buy energy efficient equipment, and close your chemical fume hood.

At Thermo Fisher Scientific, we're fueling innovation to impact the world in the right ways.

To learn more about our environmental sustainability program, visit thermofisher.com/sustainability.