



Science.
Applied to Life.™

3M Food Safety

Maximizing sustainability.

3M™ Petrifilm™ Plates

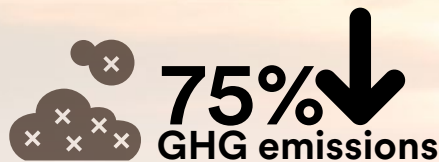
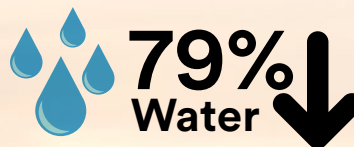
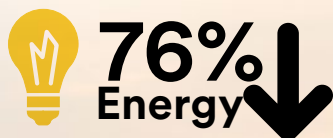
3M™ Petrifilm™ Plates

A sustainable solution for the environment.

Sustainability has become an increasingly important goal for companies all over the world—and that includes 3M. That's why we continue to invest in products and technologies that can help companies everywhere meet their business and sustainability goals.

3M™ Petrifilm™ Plates are a prime example of our innovation delivering sustainable results. For more than 35 years these “little red dots” have helped our customers reduce waste, cut greenhouse gas emissions (GHG), save energy and consume less water. What's more, they've delivered these benefits while helping to streamline, standardize and simplify the entire process of microbial indicator testing.

A study compared the environmental impacts of 3M Petrifilm Plates with traditional agar methods and found that when comparing raw materials, manufacturing, packaging, use and disposal, 3M Petrifilm Plates used 76% less energy and 79% less water, emitted 75% less greenhouse gas (GHG) and produced 66% less waste.¹ 3M also has a long-standing commitment to responsible sourcing and sustainability of our forest resources.



¹Reduction in Primary Energy Demand, Blue Water Consumption and Greenhouse Gas Emissions from 3M™ Petrifilm™ Plates Compared to Traditional Microbiological Analysis Method,™ Jason Howland, 3M Environmental Laboratory and Hannah Bakken, 3M Food Safety 2015



A more sustainable solution for your business.

As important as environmental sustainability is to the planet, economic viability is just as critical for your business. The long-term financial success of your company is ultimately built on the productivity and efficiency of your processes and employees. With significant productivity and performance advantages over traditional agar plates,² it's no wonder that 3M Petrifilm Plates have become the standard in microbial indicator testing for companies all over the world.

45% ↓
Labor


Converting from agar to 3M Petrifilm Plates can cut labor costs by an average of 45%.

80% ↑
Technician
efficiency

A study of 274 food processing plants showed an average increase of 80.5% in lab personnel efficiency with 3M Petrifilm Plates—or 3.7 hours of technician time saved per day.



Up to **1/2**
the time

With 10 products that can deliver results in 24 hours or less, 3M Petrifilm Plates can provide data in about *half the time* of traditional agar methods.

85% 
Less space
than agar

Shelf stable and nearly as thin as paper, 3M Petrifilm Plates take up to 85% less of your valuable counter, incubator and storage space.

Being environmentally responsible and delivering business results do not have to be at odds with each other. 3M Petrifilm Plates give users a reliable, accurate alternative to traditional test methods, allowing them to make their testing operations more efficient and productive while reducing their environmental impact.



A commitment to improving our business, our planet and every life.

Sustainability is a core value at 3M—in our own operations and in the products we invent. As a science-based company, we work every day with customers around the world to help solve sustainability challenges at every level. Here are just a few of the global challenges we're addressing now to help “*advance every company, enhance every home and improve every life.*”



Raw Materials



Water



Energy & Climate



Health & Safety



Education & Development

Raw Materials

For decades, 3M has worked to improve the raw materials we use as a company. This process has helped us significantly boost our sustainability through increased reliance on renewable resources, steady reduction in our waste stream and a new movement to drive supply chain sustainability through tracing raw material origins.

Water

3M recognizes that improving water quality and reducing water consumption are critical elements in our commitment to environmental stewardship. While water continues to be an important component of our manufacturing systems, we are working steadily toward reducing our water footprint.

Energy & Climate

Recognizing that energy usage and climate concerns require systematic change, 3M has committed to an ambitious program of energy and climate goals. These include, increase renewable energy to 50% of total energy use by 2025 and to 100% by 2050. Help our customers reduce their GHGs, by 250 million tons of CO₂ equivalent emissions through the use of 3M products by 2025.

Health, Safety, Education & Development

Awareness is growing worldwide about the need for improvements to address health and safety issues as well as education and personal development. With science as our driving force and collaboration our touchstone, 3M is in a unique position to help transform the future for the next generation.

Learn more about how 3M™ Petrifilm™ Plates can help you meet your sustainability goals at [3M.com/foodsafety/sustainability](https://www.3M.com/foodsafety/sustainability) and 3M's commitment to environmental stewardship at [3M.com/SustainabilityReport](https://www.3M.com/SustainabilityReport).



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