

The background is a dark blue color with a pattern of water droplets of various sizes. On the left side, there is a circular drain cover with five circular holes. In the bottom right corner, there are some faint, light-colored circular patterns that look like parts of a machine or a lens.

**SPORACTIV<sup>®</sup>**

INDUSTRIAL AND INSTITUTIONAL

INDUSTRIAL AND INSTITUTIONAL  
OVERVIEW

**MDG**  
MICROBIAL DISCOVERY GROUP

# WHY MDG



**MDG is the *Bacillus* solution that helps industrial, institutional, and consumer cleaning companies scale and streamline product lines and processes without sacrificing product effectiveness.**

# OFFERINGS

**Effective ingredients with proven success, so you can trust the quality of the microbials added to your products.**

- Frequent, rigorous testing
- Market-informed R&D
- Achieved and pending patents

**Education, tools, and hands-on support to activate production and sales.**

- Access to our microbiologists for questions, guidance, and collaboration
- Blending support for fast, consistent scaling
- Hands-on education with technology, tools, and on-site training

**A strategic *Bacillus* partner that'll prioritize your growth and long-term success.**

- True partner—we don't sell to end users
- Nearly twenty years of studying applications of *Bacillus* bacteria and showcasing our research in publications
- Several million liters of fermentation capacity so we produce and ship on time

**Safer, responsibly produced products that work without harming the humans who use them.**

- No use of harsh chemicals
- Shelf-stable products
- Dedicated to sustainability—our mission is to **Feed, Clean, Save the World**



# R&D SUPPORT

The ingredients in our SporActiv<sup>®</sup> product line are born from rigorous research and development. Our expertise ensures we're supplying our partners with high-quality, cost-effective solutions to grow their businesses. When you partner with us, you gain access to R&D support from our microbiologists that includes:

## Specialized Strain Selection

- Library of over 10,000 scientifically selected strains
- Strain comparison methods—enzyme screening, compatibility testing, genomic data analysis, substrate assays, etc.

## Expert Manufacturing Processes

- Single-strain fermentation process to ensure purity
- Variety of concentrations and additives to fit your needs
- Good Manufacturing Practice followed in all production facilities

## Strategic Partnership

- Expertise from our teams to help you problem-solve and troubleshoot
- Access to our microbiologists for formulation guidance and support



# VERSATILITY

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Our SporActiv<sup>®</sup> products are suitable for a variety of applications, including:



**GREASE  
TRAPS AND  
DRAINS**



**SEPTIC  
TREATMENTS**



**LIFT  
STATIONS**



**CARPET, TILE,  
AND GROUT**



**PORTABLE  
TOILETS**

# CARPET



The *Bacillus* in our SporActiv® ingredients are well-suited for reducing carpet odors, such as those resulting from pet waste. Volatile fatty acids, sulfur-containing compounds, ammonia, and more can be found in pet waste, but these are all food for *Bacillus*. By breaking down and consuming these odor-causing compounds, the bacteria in SporActiv® effectively reduce unwanted smells on carpeted surfaces.



# TILE AND GROUT

In bathrooms, odor-causing compounds like urea or uric acid tend to accumulate on tile, grout, and other porous surfaces that many traditional chemical cleaners have trouble penetrating. This can lead to lingering odors even after applying a cleaning product. Our ingredients offer a strategic approach to this problem, since *Bacillus* can enter the surface pores of tile and grout and consume the unwanted bacteria causing unpleasant smells. Many of these compounds are major food sources for *Bacillus*, and their assimilation helps *Bacillus* grow and multiply, prolonging odor reduction.



# SEPTIC TANKS

Without proper maintenance, septic systems can face a multitude of issues, including odor, sludge backups, and flooding. However, using a *Bacillus*-based treatment for septic system upkeep can help alleviate these problems. The *Bacillus* in our SporActiv® ingredients increase desired bacterial activity in the septic environment where they're applied, leading to more digestion. This means that solids do not accumulate as quickly, reducing the presence of odors and the need for frequent and costly pump-outs.





# PARTNER WITH MDG

**At MDG, your success is our success. We are dedicated to creating a partnership with you that helps you reach your business goals and increase your sales in the industrial, institutional, and consumer cleaning market.**

**Interested in working with us? Visit [www.mdgbio.com](http://www.mdgbio.com) to learn more about what we offer and get in touch with an expert today!**



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