

Novozymes BioQuick™ 5130

Reduces production delays and enables discharge compliance with a rapid MBR start-up



Membrane bioreactors (MBRs) offer several advantages over conventional activated sludge plants and are gaining in popularity. As in all plants, the goal during the start-up phase is to build up a healthy microbial community in a short amount of time. Many plants choose to import sludge from nearby facilities, but MBRs have some operational features that increase the risk of this practice. Inert material, including sharp debris, can be imported which can damage membranes or reduce system capacity, and slime-forming bacteria can lead to membrane plugging. In addition, importing sludge raises potential safety and transportation issues.

BioQuick 5130: Unique soluble bacterial formulation for rapidly developing a microbial community in MBRs while minimizing fouling

BioQuick 5130 contains a broad range of microorganisms suitable for a variety of wastewater types. It is formulated specifically for start-ups and contains a readily available carbon source, nitrogen, and phosphorus for rapid and balanced growth. Unlike most bioaugmentation products, which are prepared on bran, BioQuick 5130 is formulated with soluble components that reduce the solids loading on the system and ensure the best conditions for a successful MBR start-up.

The benefits of using BioQuick 5130

Lower operating costs

- Reduces surcharges
- Reduces permit violations

Improved plant efficiency

- Shortens start-up and recovery time

Simplified operations

- Eliminates the need for importing sludge
- Bran-free formulation to minimize membrane fouling
- Improves plant stability

Novozymes is the world leader in bioinnovation. Together with customers across a broad array of industries we create tomorrow's industrial biosolutions, improving our customers' business and the use of our planet's resources.

Enhancing your business is our business

Team up with Novozymes for innovative biosolutions to reduce costs, improve water quality, and capitalize on renewable energy opportunities. Unique products, experience with beneficial microorganisms and enzymes, and our commitment to improve our business are just three reasons to choose Novozymes as your bioinnovation partner.

For more information please visit www.novozymes.com

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