

# BactoBlock for water treatment

**A unique bacterial laden solid, combining a high bacterial count with slow release technology.**

## Overview

### ○ Changes biomass dynamics

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**BactoBlock** slowly dissolves in your high organic load environment constantly releasing *Bacillus* spores. Our safe, all-natural bacteria, are present in high numbers to ensure effective degradation of accumulated organic matter in a wide range of environments.

**BactoBlock** gradually dissolves over a 30 to 90-day period allowing for continuous treatment and degradation of waste. Our proprietary bacteria reduce odors, sludge, fats, oils and grease build ups. The dissolution rate depends on the flow rate of water across the cylinder.

## Advantages of Bactoblock

- Greatly reduces labor time
- Reduces hydrogen sulfide (H<sub>2</sub>S)
- Breaks down fat & grease build-up
- Eliminates malodors at their source
- Degrades a wide range of complex organics
- Enhances BOD/COD/TSS removal
- Cost effective & easy to use
- Increases system efficiency
- Contains no chemicals

## An organic, all natural and safe way to recycle

*Aquaculture, waste water treatment*  
Use in nursery tanks, aerated earthen and lined ponds, settling ponds and lagoons, processing plant wastes, municipal WWTP, etc.

### Directions:

Suspend **BactoBlock** in the water column close to where the water is coming into the pond. Active, moving water is essential. Water flow rates determine the rate at which the block will dissolve and how long it will last.

### Degradation flow rates when using **BactoBlock**\*

900m<sup>3</sup> – 3500m<sup>3</sup>/day    5kg block

3500m<sup>3</sup>+                    15 kg block

\*Degradation rates depend on the water flow rates

# BactoBlock for water treatment

a unique bacterial-laden solid, combining a high bacterial count with slow release technology, to dose bacteria into wastewater and effluent handling facilities

Application	Organic waste in higher flow wastewater treatment systems with active water movement.
Bacteria Count	5E+9 CFU/g Bacillus
Bacteria Type	Bacillus spore blend
Typical Properties	Appearance – red/blue solid    form – cylinder Fragrance – mild earthy        shelf life – 24 mo/u.o.c.
Performance Properties	Effective pH range – 5.0-9.5    Temp Range - 45-120°F (5 50°C)
Available Sizes	5 and 15 kg

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