

# BCL6000™

## MULTISPORE BACTERIA LIQUID WITH FREE ENZYMES

### PRODUCT DESCRIPTION

BCL6000™ is a blend of aerobic and facultative anaerobic microorganisms in liquid form. It is effective in degrading many types of wastes and is especially useful when automatic pumping is needed. BCL6000™ improves treatment plant performance while reducing unpleasant odors, BOD, and foam. In addition to microorganisms, the blend contains free enzymes, nutrients, and a source of oxygen.

### PACKAGING AND STORAGE

Available in 4x4 L, 20.37 kg, 208.82 kg, and custom packaging.

Store in a cool, dry location. Packaging must be kept intact, dry, and away from sunlight. Please follow the recommendations and use the product before the best before date. Contact Bionetix® with questions. Avoid inhalation and eye contact. Avoid excessive skin contact.



### FEATURES AND BENEFITS

- Improves effluent quality
- Reduces BOD
- Reduces unpleasant odors
- Reduces plant upsets from shocks
- Improves sludge settling
- Convenient for automatic pumping

### TYPICAL APPLICATIONS

- Wastewater lagoons
- Aerobic digesters
- SBRs (sequencing batch reactors)
- MBBRs (moving bed biofilm reactors)
- Other biological units

### SPECIFICATIONS

Description	Beige-to-brown free-flowing liquid
Fragrance	Earthy
Stability	Max. loss of 1 log/yr
pH	7.0-9.0
Bacteria Count	2 billion CFU/mL, custom concentrations available

## APPLICATION INSTRUCTIONS

### Treatment Plants –

Flow Rate	Initial Dosage	Maintenance**
Up to 0.1 L/sec	1 L/day for 3 days	1 L/week
Up to 0.5 L/sec	1 L/day for 3 days	1 L/week
Up to 2 L/sec	10 L*	3 L/week
Up to 5 L/sec	16-20 L*	4 L/week
Up to 25 L/sec	30 L*	0.5 L/day
Up to 100 L/sec	50 L*	1 L/day
Up to 500 L/sec	100 L/100 L/sec*	2 L/100 L/sec/day

\* Spread this initial dosage out over the course of 10 days.

\*\* Add as regularly as possible. If one day is missed, double the daily dosage the next day.

Dosage rates will vary with flow rates, retention times, and system variations. The rates above are for a typical, well-maintained system.

**Activated Sludge Systems** – Activated sludge systems include various process flow sheets: e.g., extended aeration, contact stabilization, step aeration, oxygen activated sludge. The application rate for all products is based on the average daily flow rate to the aeration basin, excluding the return sludge stream.

**Trickling Filters and Rotating Biological Contactors** – The application rate for all products is based on the average daily flow rate to the filter or contactor, excluding any recirculating process stream.

### Lagoon Systems –

- **Aerated systems** – Application rate is based on the average flow rate to the lagoon.
- **Facultative systems** – Application rate is based on the lagoon surface area:

Day 1-5	50 L/10,000 m <sup>2</sup> /day
Day 6+	5 L/10,000 m <sup>2</sup> /week

- **Anaerobic systems** – Application rate is based on the total volume of the anaerobic lagoon:

<200,000 L	3 L – 2x/week/10,000 L
>200,000 L	1-2 L – 1x/day/10,000 L

- **Lagoons in cold climates** – Commence program when the water temperature is at least 10 °C (50 °F). For application at temperatures below 10 °C (50 °F), contact your Bionetix® technical representative.

For seasonal or widely fluctuating flows, contact your Bionetix® technical representative.

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