

## MANUAL PRECONDITIONING of Bacta-Pur® N3000 © 2010

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*ECOPROBIOTICS®*, of the Bacta-Pur® System, are beneficial communities of natural bacteria, which have been on earth for millions of years and have been selected for their synergistic ability to biodegrade pollutants and to improve water quality. *ECOPROBIOTICS®* increase biodiversity. Just as people take probiotic yogurt for its' ability to assure the presence of the optimal community for digestion and immunity, *ECOPROBIOTICS®* improve ecosystem health. *EVERY PRODUCTION* of Bacta-Pur® products is analyzed and cleared for shipment *ONLY* after passing all performance tests and being *CERTIFIED PATHOGEN FREE* using techniques from the food industry. *ECOPROBIOTICS®* are purely natural and beneficial; they *NEVER* contain added chemicals such as surfactants, emulsifiers or enzymes..., nor do they contain genetically modified (GMO) or deliberately mutated organisms. *ECOPROBIOTICS®* are safe and beneficial. Disease causing organisms are never used, as others do or permit. All bacterial cultures in the Bacta-Pur® product are listed on the Canadian DSL.

### Supplies and Equipment

Bacta-Pur® N3000

Bacta-Pur® PRECONDITONER N

2 - buckets or barrels (water<sup>1</sup> = ten times volume of Bacta-Pur® used daily),  
optional for flowing systems: 1 dosing pump or drip water drain assembly,  
aeration system,  
submersible water heater.

### METHOD

Use: 2 liters of Bacta-Pur® N3000 N per 1 liter of Bacta-Pur® PRECONDITIONER.

#### DAY 1

Fill barrel #1 with water<sup>1</sup> equal to 10 times the volume of Bacta-Pur® N3000 to be used. Add the Bacta-Pur® N3000 and Bacta-Pur® PRECONDITIONER N.  
Adjust heater to maintain 30°C. Aerate during 48 hours.

#### DAY 2

Fill barrel #2 with water<sup>1</sup> equal to 10 times the volume of Bacta-Pur® N3000 to be used. Add the Bacta-Pur® N3000 and Bacta-Pur® PRECONDITIONER N.  
Adjust heater to maintain 30°C. Aerate during 48 hours.

#### DAY 3

Cool to ambient temperature, drain, spray or pump, the preactivated bacteria from barrel #1 into system, if less than 24 hours hydraulic retention time add over the following 24 hours<sup>2&3</sup>.  
Repeat as for DAY 1.

#### DAY 4

Cool to ambient temperature, drain, spray or pump, the preactivated bacteria from barrel #2 into system over the following 24 hours<sup>2#3</sup>.  
Repeat as for DAY 2.

<sup>1</sup> **For use in FRESHWATER** use dechlorinated tap water. **For use in SEAWATER** use seawater.

<sup>2</sup> **If adding to aquaria or aquaculture tanks, assure absence of residual ammonia and nitrite. Data sheet below indicates parameters to be monitored during preconditioning.**

<sup>3</sup> **Equalize temperature before adding bacteria.**



