

## Manual Preactivation of Bacta-Pur® XLG(A) for sludge reduction in aquaculture © 2009

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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.*

### Supplies and Equipment

- For fresh water: Bacta-Pur® XLG(A) with Bacta-Pur® ACTIVATOR 1 & 2,
- For salt water (salinity > 5 ppt): Bacta-Pur® XLSW(A) with Bacta-Pur® ACTIVATOR 1 & 2
- 1 - buckets or barrels (ten times volume of Bacta-Pur® XLG(A) or XLSW(A) used daily),
- 1 dosing pump or drip water drain assembly (only for retention times less than 24 hr),
- aeration system,
- submersible water heater,

### Method

#### DAY 1

Add to bucket or barrel:

- Bacta-Pur® XLG(A) or XLSW(A) (quantity prescribed by IET-Aquaresearch Ltd. or our authorized representatives),
- 1 package Bacta-Pur® ACTIVATOR 1 per 1L of Bacta-Pur® XLG(A) OR XLSW(A)
- 1 package Bacta-Pur® ACTIVATOR 2 per 1L of Bacta-Pur® XLG(A) OR XLSW(A)
- Pond water in volume equal 10 times the volume of Bacta-Pur® XLG(A) or XLSW(A),

Connect aeration.

Adjust heater to maintain 30°C.

Incubate during 24 hours.

#### DAY 2

Maintain aeration and turn off heater in order to bring the temperature of mixture close to the temperature of the system water before adding mixture.

When temperature equalized apply the mixture over the pond surface system or into the system.



IET-Aquaresearch Ltd. / Bacta-Pur  
P.O. Box 689, Derby Line, VT 05830, USA

Phone: (877) bactapur [222-8278], (819) 842-2494, Fax: (819) 842-2414

Email: info@bactapur.com

**IET-Aquaresearch Ltd.**

**P.O. Box 2680, North Hatley, QC, J0B2C0 Canada**

website: www.bactapur.com