

*“Innovative  
Products &  
Services for  
Wastewater  
Professionals”*



The System



The Biology



The Results



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## The EBS Bacterial Acceleration Chamber (BAC Unit) A New Approach to Applied Bioaugmentation

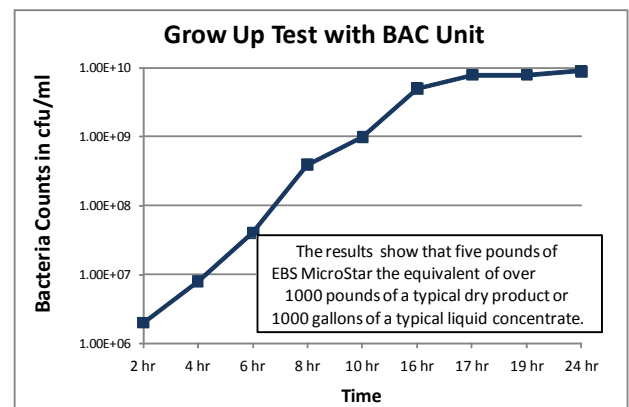
### Introduction

For years bacteria have been used to address a myriad of wastewater problems including poor BOD reduction, excessive solids carryover, and problems related to toxic materials odors. Products have been applied in various forms, including powders, liquid concentrates, and solids blocks. In each case, the amount of bacteria added is based on the manufacturer’s specified concentration, usually reported as cfu (colony forming units or bacteria) per milliliter or gram. Consequently, the cost effectiveness of the product applications is often less than desirable. However, bacteria products offer the customer one feature not other chemical additive does – the ability to multiply on-site prior to application. By utilizing specially formulated bacteria blends and growth media cultivated in a patent-pending Bacteria Acceleration Chamber (BAC Unit), the applied amount of active cultures applied can be increased 100 – 1000 fold. The result is a greater chance of success at an affordable cost.



### The Products

EBS produces a line of custom formulated products specifically designed for on-site grow up. The products contain selected bacteria blended with growth media and micronutrients designed to address the toughest wastewater problems. Not just bugs and bran – EBS MicroStar and BioStar formulations are the result of four years of research and development focused on producing a product that can be “grown up” on site. The result is a product that multiplies up to 1000x in 24 hours.



### The Feed System

The EBS BAC Unit is the most efficient bioaugmentation application system available. The unit can feed dosages ranging from one pound to five pounds per batch. Up to two batches per day can be produced.