



CASE STUDY

ANTIBIOTIC FREE IN 28 DAYS

INTRODUCTION

Hydritreat SB 1523 is a GRAS for animal feed, proprietary, patent pending formulation containing peracetic acid. Hydritreat SB 1523 has no known bacterial resistance, it's effective against gram (+) and gram (-) bacteria and is a cost-effective replacement for standard antibiotic treatments. A dry grind ethanol plant was using 8-pounds of antibiotics in their fermentation systems. This treatment was expensive and not effectively removing bacteria. Hydrite replaced antibiotics with a process using Hydritreat SB 1523 to reduce bacterial loading.

VALUE CREATED

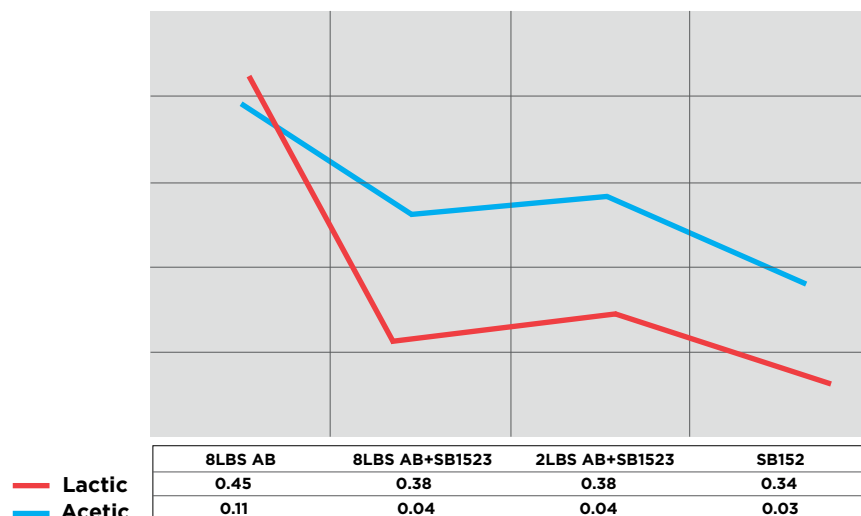
By using Hydritreat SB 1523, Hydrite aimed to control bacteria and eliminate the use of antibiotics in the fermentation process. The plan below was designed to replace the use of antibiotics and effectively limit bacteria using Hydritreat SB 1523, which is the most cost-efficient solution for bacteria control in a fermentation system.



SOLUTION & RESULTS

In to achieve this goal, Hydrite followed the following plan:

- **Week 1 Baseline:** 8-pounds of Antibiotics
- **Week 2:** 8-pounds of Antibiotics and SB1523
- **Week 3:** 2-pounds of Antibiotics and SB1523
- **Week 4:** 0-Antibiotics SB1523 only



CONCLUSION

In just 28 days, Hydrite's proprietary Hydritreat SB 1523 eliminated antibiotics from the fermentation process and reduced bacterial loading to levels well below baseline. By swapping Hydritreat SB 1523 for the previously used antibiotics, a greater than 50% reduction in treatment costs was realized.

The HYDRITE Advantage

Chemical Experts

Our team is experienced and dedicated to providing technical support and services that help maximize efficiency and profitability all while maintaining or enhancing the quality of your end-product. Partner with Hydrite to see how our people make the difference.

Customized Programs

Every plant is unique and we understand that. We customize a solution for each location and application. Contact us today to learn more about our quality products, services, technology, and solutions.

Quality Focus

We understand how important it is to protect your brand and maintain the trust your customers place in you. Let us help you by delivering a quality solution at the most efficient cost.

Customer Service

At Hydrite, we form partnerships with our customers and provide them with the best possible and most efficient operational solution. Contact us today to see how we are different.

Supportive Approach

We feature a variety of creative solutions designed to lower operating costs, improve efficiency, and help you protect your brand. Join the many satisfied Hydrite customers that have experienced the Hydrite Advantage.

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