



# SELECT BAC™

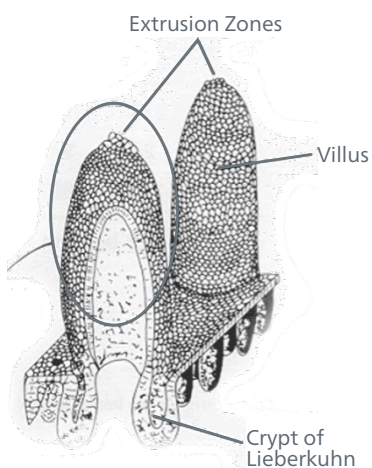
Select BAC™ is an innovative blend of live naturally occurring microorganisms including *Bacillus licheniformis* that support a proper microbial profile and target complete gut health and stability in dairy cows at all stages of production.



## Manage your risks to improve herd health and profitability

Sustaining a healthy gut involves much more than protecting your herd against potentially deadly issues, such as HBS; it means maintaining the right levels of beneficial bacteria in both the rumen and the lower digestive tract to improve performance and reduce the need for costly therapeutic treatments. Select BAC includes a blend of Alltech's technologies, along with *Bacillus licheniformis* and other direct-fed microbials, to target complete gut health and stability.

## Dairy cows with a healthy, stable gut are better able to



- + Address challenges caused by *Clostridium*
- + Inhibit the growth of undesirable intestinal organisms
- + Fight effects of mycotoxins
- + Produce more milk and increase profitability

## Benefits of feeding Bacillus:



Competitively excludes pathogenic bacteria



Reduces fecal shedding of *Clostridium perfringens*



Inhibits gastrointestinal infection



Enhances rumen digestibility

## Select BAC microbial ingredients:

- *Lactobacillus acidophilus*
- *Bifidobacterium longum*
- *Lactobacillus casei*
- *Bacillus licheniformis*
- *Enterococcus faecium*

## Recommended inclusion rates:

Maintenance: 20 g/h/d

Moderate risk: 35 g/h/d

High risk: 50 g/h/d

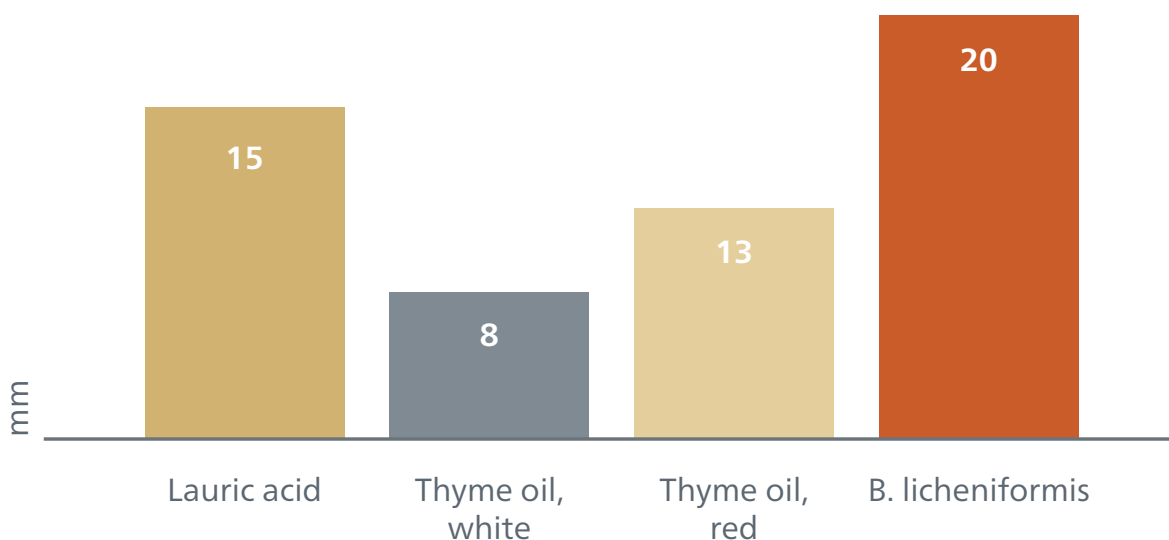


# SELECT BAC™

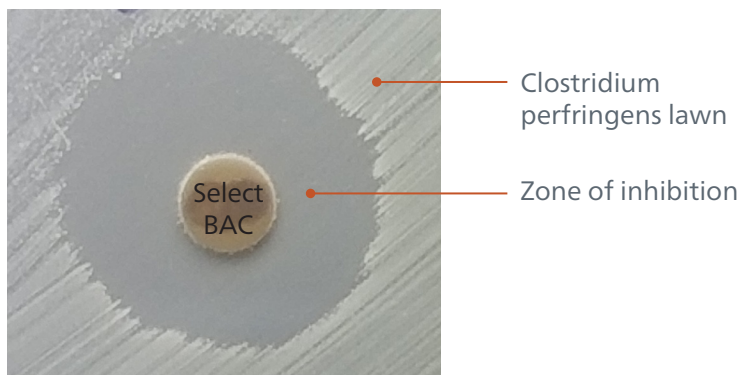


**33% increase in zone of inhibition vs. other leading ingredients against Clostridium perfringens with B. licheniformis.**

Clostridium perfringens Zone of Inhibition (mm)



Select BAC Zone of Inhibition:



## Why microbial additives?

- Improve balance of intestinal bacteria
- Bind toxins produced by pathogenic bacteria
- Inhibit growth of undesirable intestinal organisms

For more information, contact [dairy@alltech.com](mailto:dairy@alltech.com) today.

