

invivo

Invivo Biosciences LLC

Bacillus pumilis 146



Product Benefits

- *Competitive exclusion against pathogenic bacteria*
- *Improves feed conversion*
- *Increases weight gain*
- *Production of bacteriocins mitigate potentially harmful bacteria*
- *improves Immune stimulation*

Product Characteristics

Product form: *Spray dried powder*

Purity: *Free of other bacterial or fungal contaminants;*
A certificate of analysis is provided with each shipment

Color: *Tan to brown*

Characteristics: *Gram positive motile spore forming rods; aerobic; growth at a wide pH range 5.5-8.5; high salt tolerance up to 3%; temperature range 10-50°C; will hydrolyze casein, gelatin, and starch and other substrates*

Performance Characteristics

pH range *4.5 - 8.5*

Temperature range *10-45°C (optimal near 37°)*

Enzymes produced: *Protease(Average), Xylanase(Strong), Amylase (Average), Pectinase(Average), Cellulase(Average), Lipase (Average), Phytase (Average), Uricase (Average), Nitrate reductase (Average), Urease (none)*

Application: *Direct Fed Microbials, Aquaculture, Pet health/nutrition*