



# ACTIGEN®

Actigen® is a unique product derived from a select strain of *Saccharomyces cerevisiae* yeast using a proprietary process developed by Alltech. When incorporated into the calf's diet, ACTIGEN supports gut integrity and overall performance. Part of the Alltech® Gut Health Management program, ACTIGEN is key to building a foundation for performance and profitability in dairy production.

## Mode of Action

It is well known that bacteria are present in the gut; some helpful, some harmful. Beneficial bacteria play an important role in the breakdown of food and absorption of nutrients in the gastrointestinal tract.

Beneficial bacteria do not interfere with the gut wall and assist in:

- Regulation of cell turnover in the gut wall.
- Creating competitive exclusion of pathogens.
- Stimulating metabolism of mucus secretions.
- Modulation of mucosal immunity.

Pathogenic bacteria attach to the villi on the gut wall, causing:

- Decreased nutrient absorption.
- Damaged villi, reducing surface area.
- Release of toxins.
- Depressed immunity.

## Supporting Gut Health

Establishing gut health and development in calves is essential for building a foundation of performance and profitability in the future herd. ACTIGEN focuses on supporting animal performance by promoting good bacteria, building defences and maximizing growth and efficiency.

## Key benefits of ACTIGEN®

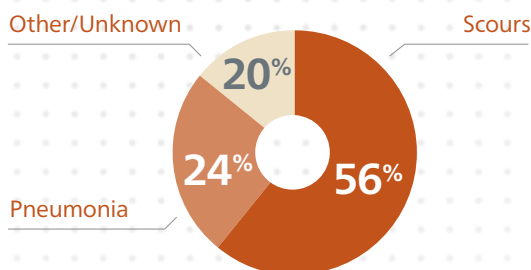
- Increases feed efficiency
- Increases dry matter intake of calves post weaning

## Usage instructions

Effective in milk replacers and starter feeds

Dairy calves: 1.5g/head/day

## WHY DO CALVES DIE?



### KEY FACTS:

**62%**

of all calf deaths occur by 21 days of age.

USDA: APHIS Dairy 96

**>50%**

of calf deaths caused by scours.

NAHMS 2014