

LEVUCELL® SC

THE RUMEN SPECIFIC YEAST

LEVUCELL® SC is a concentrated live yeast specifically selected to enhance the nutrition and health of ruminants. The strain (*Saccharomyces cerevisiae* CNCM I-1077) has been chosen for its specific properties:

- **Stabilization of rumen pH and reduction in acidosis risk,**
- **Stimulation of the microbial biomass of the rumen,**
- **Stimulation of the enzymatic and cellulolytic activities in the rumen,**
- **Improvement of the anaerobic rumen environment (anaerobiosis).**

QUALITY ASSURANCE

STRAIN OF YEAST:

- Species: *Saccharomyces cerevisiae* registered at the Pasteur Institute collection (CNCM), Paris, under the number I-1077. (European Union number : 7).

	LEVUCELL SC20	LEVUCELL SC10 ME
CONCENTRATION CFU* (CNCM 1077/g)	2.0 x 10 ¹⁰	1.0 x 10 ¹⁰
SHELF LIFE**	16 months	9 months

* colony forming unit/g ** kept in closed packaging in a cool dry place

RATE OF USE

g (CFU)/animal/day	LEVUCELL SC20	LEVUCELL SC10 ME*
DAIRY COWS	0.5 g (1x10 ¹⁰)	1.0 g (1x10 ¹⁰)
BEEF CATTLE	0.4 g (8x10 ⁹)	0.8 g (8x10 ⁹)
YOUNG CATTLE (grass-fed calf, heifer)	0.2 g (4x10 ⁹)	0.4 g (4x10 ⁹)
YOUNG RUMINANTS (goat, lamb, ewe)	0.2 g (4x10 ⁹)	0.4 g (4x10 ⁹)

METHODS OF ANALYSIS

Counting of live cells on Gelose medium (Lallemand's method).
Genetic identification by PCR (Polymerase Chain Reaction).

HEALTH & SAFETY

LEVUCELL® SC is non-toxic and harmless to humans and animals. It leaves no residues and has no withdrawal time.

PACKAGING

20 kg Card box with aluminium inner bag sealed under controlled atmosphere.



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PHYSICAL PROPERTIES

APPEARANCE:

- fine, light beige powder

FORMULATION:

- LEVUCELL® SC is supplied in two formats adapted for current livestock feeding practices:
 - LEVUCELL® SC 20, concentrated formulation for pre-mix and meal feed,
 - LEVUCELL® SC 10ME, Micro-Encapsulated formulation for pre-mix and pelleted feed.
- LEVUCELL® SC is formulated for maximum flowability in transfer systems (eg silos) and for homogenous dispersion into premixes and feed compounds.
- LEVUCELL® SC is tolerant to antibiotics and compatible with other feed components and additives used in ruminant feed rations.