



The Italian Dairy Culture

COLTURE PER LA BIOPROTEZIONE BIOPROTECTION CULTURES



PROBIALAC® BS

ATTIVITÀ INIBENTE BATTERI
GRAM (-) E LISTERIA

—
*INHIBITORY ACTIVITY
AGAINST GRAM (-) BACTERIA
AND LISTERIA*



PROBIALAC® MXP-LRPS 100

ATTIVITÀ INIBENTE BATTERI
GRAM (-) E LISTERIA

—
*INHIBITORY ACTIVITY
AGAINST GRAM (-) BACTERIA
AND LISTERIA*



PROBIALAC® PR

ATTIVITÀ INIBENTE
COLIFORMI, LIEVITI E MUFFE

—
*INHIBITORY ACTIVITY
AGAINST COLIFORMS,
YEASTS AND MOLDS*

f @ in

www.alce.eu

sales@mofinalce.it





The Italian Dairy Culture

COLTURE PER LA BIOPROTEZIONE BIOPROTECTION CULTURES

I ricercatori del Gruppo Alce hanno condotto numerosi test “in vitro” e sperimentazioni “in campo”. Tra i microrganismi bersaglio sono stati testati alcuni ceppi di coliformi, *Escherichia coli* ATCC 8739, *Enterococcus faecalis* ATCC 29212, *Pseudomonas aeruginosae* ATCC 9027, *Pseudomonas fluorescens* ceppo collezione interna, *Klebsiella pneumoniae* ID 1795, *Salmonella enterica* subsp. *enterica* serovar *Abaetetuba* ATCC 35640, *Salmonella enterica* subsp. *enterica* serovar *Abony* NCTC 6017, *Listeria monocytogenes* ATCC 19112, muffe e lieviti.

I test hanno permesso di selezionare le seguenti colture protettive, ad effetto barriera:

**PROBIALAC®
BS**

Batteri GRAM (-) e Listeria

**PROBIALAC®
MXP-LRPS 100**

Batteri GRAM (-) e Listeria

**PROBIALAC®
PR**

Coliformi, Lieviti e Muffe



Alce Group researchers conducted several in vitro tests and field experiments. The target microorganisms being tested included some coliform strains (*Escherichia coli* ATCC 8739, *Enterococcus faecalis* ATCC 29212, *Pseudomonas aeruginosae* ATCC 9027, *Pseudomonas fluorescens* internal collection strain, *Klebsiella pneumoniae* ID 1795, *Salmonella enterica* subsp. *enterica* serovar *Abaetetuba* ATCC 35640, *Salmonella enterica* subsp. *enterica* serovar *Abony* NCTC 6017, *Listeria monocytogenes* ATCC 19112), moulds and yeasts.

Our tests made it possible to select the following protective cultures, having barrier effect:

**PROBIALAC®
BS**

GRAM (-) Bacteria and Listeria

**PROBIALAC®
MXP-LRPS 100**

GRAM (-) Bacteria and Listeria

**PROBIALAC®
PR**

Coliforms, Yeasts and Molds