

NEW *ActiveLAG™*

ANTIBACTERIAL LAGGING FOR DRUM MOTORS



- ANTIBACTERIAL PROTECTION:** Effectively resists gram positive and gram negative bacteria for superior hygiene.
- FAST-ACTING:** Rapid action ensures quick antibacterial results.
- CONSISTENT PERFORMANCE:** Delivers uniform and continuous efficacy.
- HIGH EFFICACY:** Eliminates up to 99.99% of harmful bacteria.

Rulmeca's new *ActiveLAG™* antibacterial lagging works in conjunction with plant sanitization procedures, making food processing equipment more hygienic and safe. Antibacterial lagging is now a standard feature for food processing drum motors.

LONG-LASTING PROTECTION



Rulmeca's antibacterial lagging is not a surface spray. The *ActiveLAG™* ingredients are homogeneous with the nitrile lagging. Therefore, the lagging retains its antibacterial properties as it wears throughout its service life.

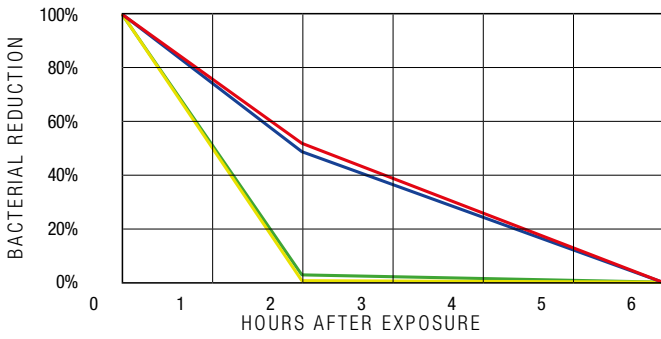
INDEPENDENT LAB TESTS



Following the international standard ISO 22196:2011 method to measure "antibacterial activity on plastics and other nonporous surfaces", an independent lab confirmed that the new Rulmeca *ActiveLAG™* lagging works quickly and effectively.

Quick effectiveness against all tested bacteria

ANTIBACTERIAL ACTIVITY



HOW DOES *ActiveLAG™* WORK?

- By quickly and continuously attacking bacteria cell walls and eliminating them, regardless of sanitization procedures.
- By reducing biofilm formation, making sanitization procedures more effective.

Gram-positive bacteria

Staph

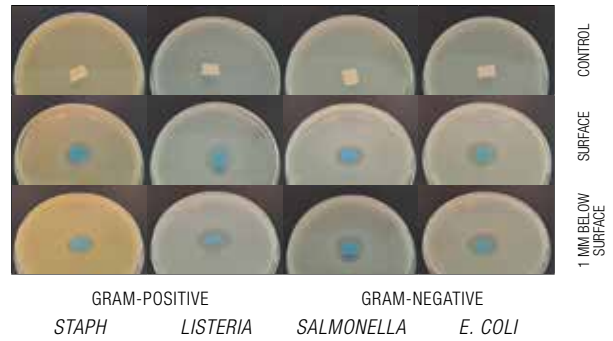
Gram-negative bacteria

Listeria

Salmonella

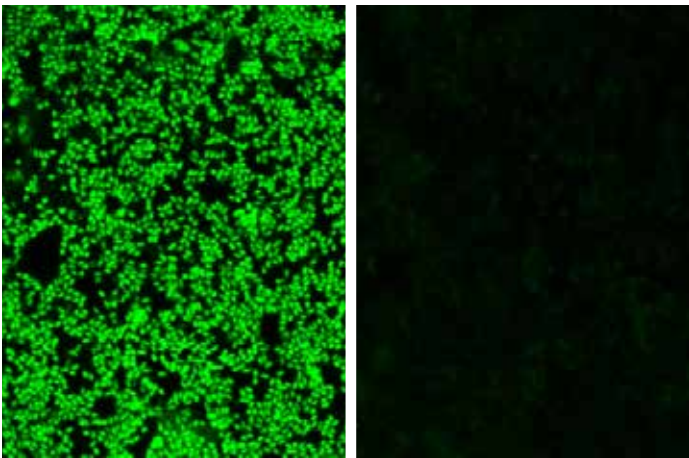
E. coli

DISTINCT INHIBITION HALOS



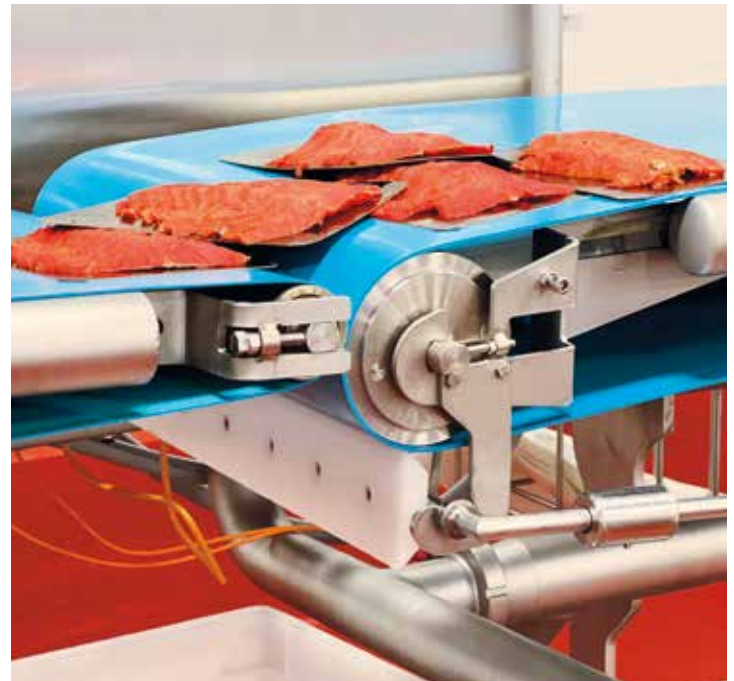
INHIBITION HALOS DEMONSTRATE *ActiveLAG™* EFFECTIVENESS AND HOMOGENEITY

In addition to using the ISO 22196:2011 method to measure bacterial reduction using cfu/cm² counts for control and test specimens, an independent lab obtained visual evidence on control and all test samples. The distinct inhibition halos demonstrate the lagging's effectiveness and homogeneity.



MICROSCOPE IMAGES DEMONSTRATE *ActiveLAG™* EFFECTIVENESS AGAINST BIOFILM FORMATION

Using ASTM E2562-22 biofilm testing, an independent lab counted biomass and obtained visual evidence of the lagging's effectiveness in reducing *Pseudomonas aeruginosa* biofilm formation. Green indicates live biofilm. Black indicates dead.



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