

Out of Sight, Out of Mind! Getting to Know the Residential Microbial Community in Your Facility

14 May 2025 | SASDT | Kirsten von Hoesslin

Since 1963, we've been pioneering diagnostics
to protect your health.

YOUR TRUSTED PARTNER IN AUGMENTED DIAGNOSTICS



Smarter and more dynamic

RISK ASSESSMENT



Moving from Test results to

ACTIONABLE INSIGHTS



Safe products of the highest quality for

CONSUMERS

Augmented Diagnostics

A suite of solutions by bioMérieux based on Microbiology Expertise, Genomics, Bio-Informatics and Data Science



Reduce your factory's carbon footprint & your non-quality costs

Energy - Food waste

Toxic detergents - Water waste



Understand the past

Get clear root cause analysis

Optimize the present

Actionable insights

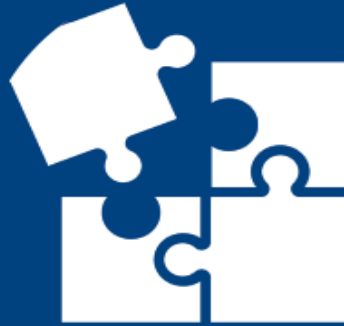
Anticipate the future

Take better & quicker decision

“ Move from results to better risk management through **insights**, and from risk detection to **anticipation & prevention**”



What are you doing
with your micro data?



How well do you
know your
pathogens?



What if you could
know more?



LISTERIA MONOCYTOGENES CHARACTERISTICS



Growth in
refrigeration



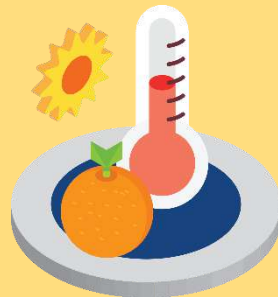
Biofilm generation
Resistance to osmotic, alkaline &
oxidative stress



Humid conditions



Relative high
salt content



Low heat resistant & low acid tolerance



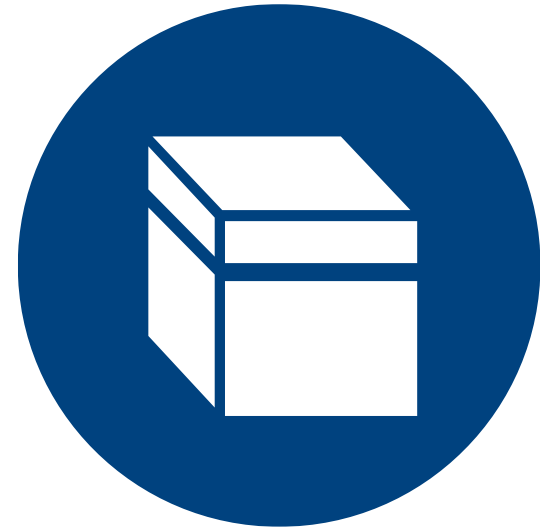
Impacted by other microbiota



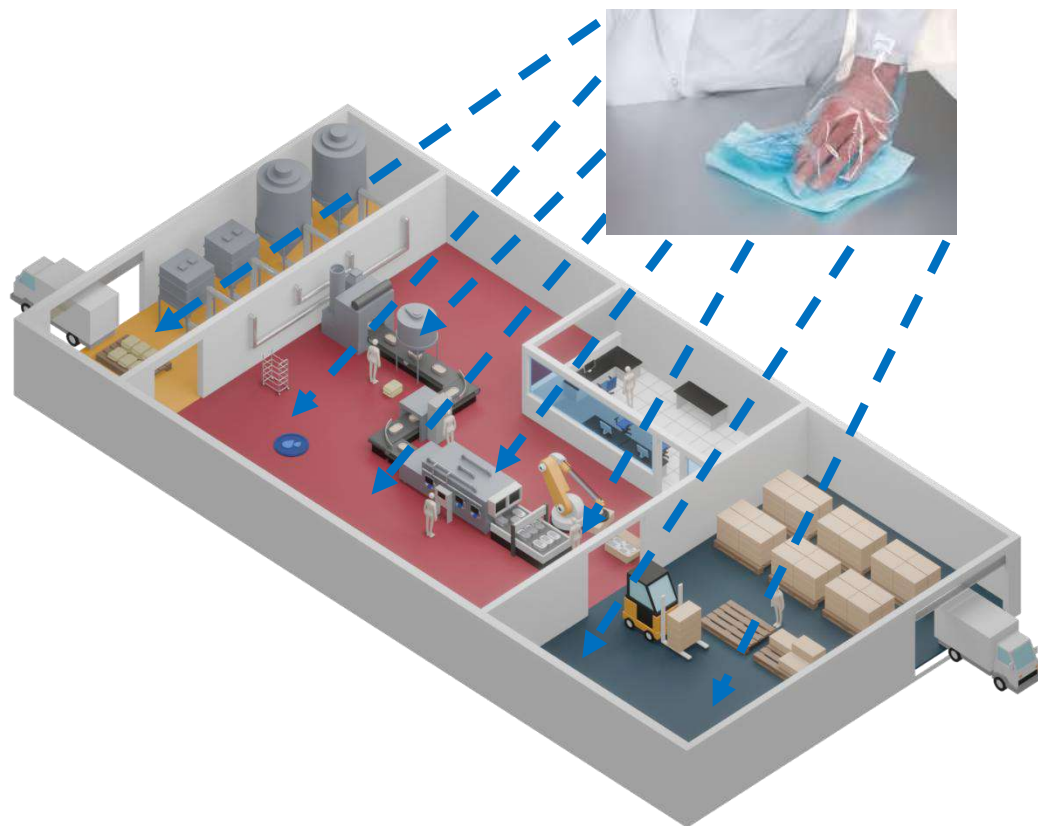
Raw materials



Facility / Environment



Finished Goods



CONTROL PLAN

- ✓ 25 EM samples tested per week (200 sample points in total) 100% random
- ✓ All finish goods are tested for *Listeria monocytogenes*



Low rate of positive detection 0,8%

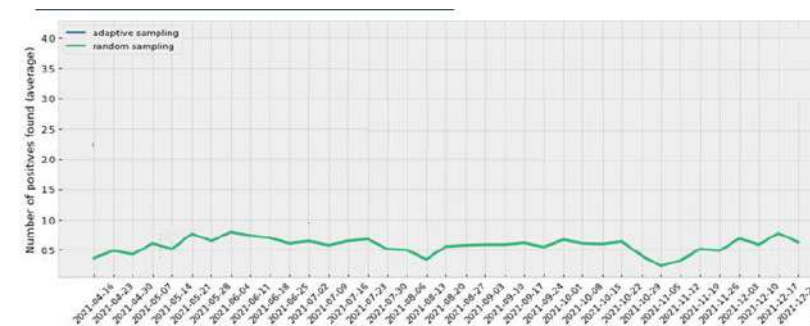
Mitigation in case of positive in the EM

- ✓ Stop production
- ✓ Full cleaning
- ✓ Reinforced control plan in the zone
 - >Always negative results (no root cause analysis)
 - >Never in the product





ENVIROMAP[®]



0,8% of positive

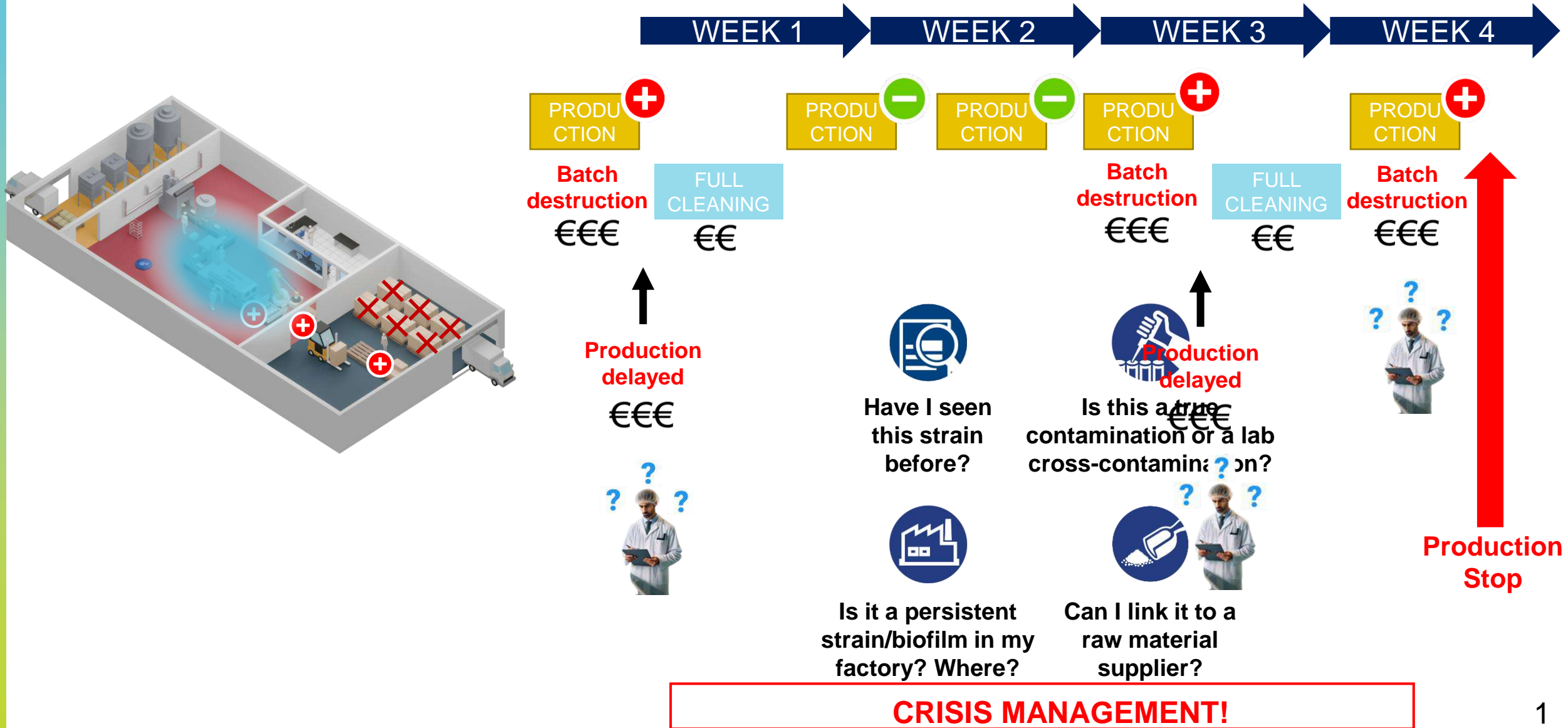




Have I seen this
Listeria before?

Is this Listeria coming
from my raw materials
or my environment?

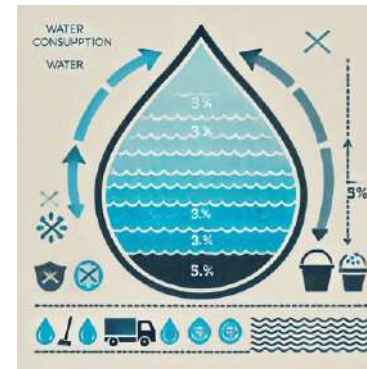
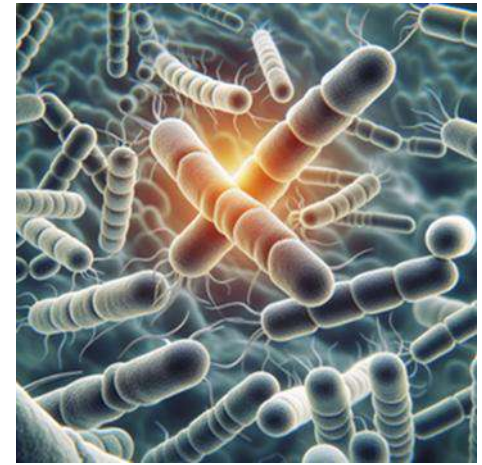
ACTUAL CRISIS MANAGEMENT



LISTERIA MONOCYTOGENES CRISIS

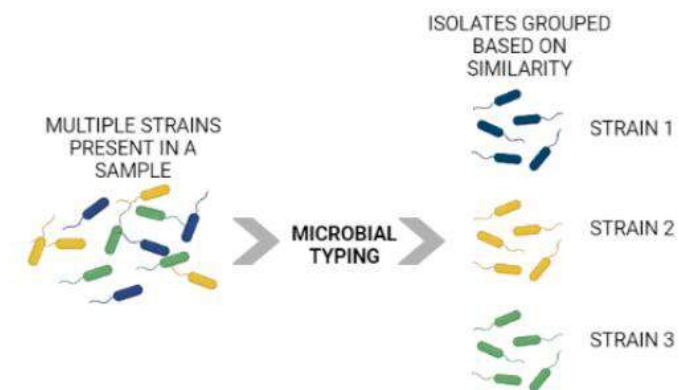


Cindy and Bob must act... because after 3 weeks the results are heavy!





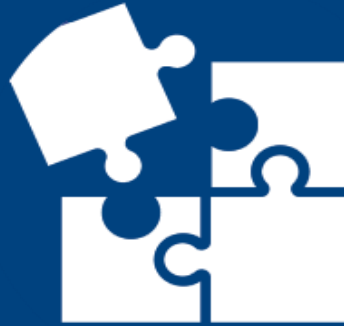




GENE-UP® TYPER



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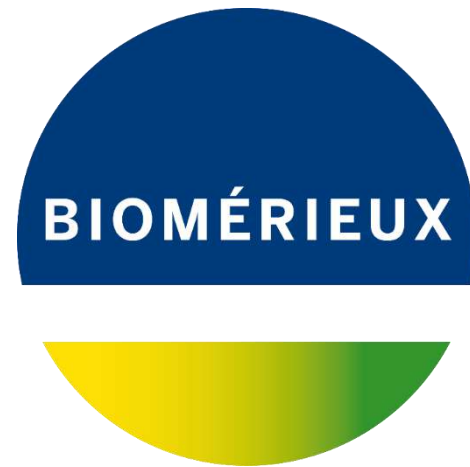


What if you could
know more?



[THANK YOU]





PIONEERING DIAGNOSTICS