AGROWLYTE

Lactic Acid vs. Agrowlyte

Comparison for Meat Processing Facility Sanitation & Food Safety

Choose Agrowlyte (HOCl) Over Lactic Acid

Agrowlyte is an advanced HOCL (Hypochlorous Acid) solution designed for immediate antimicrobial action in meat processing environments. Compared to traditional lactic acid-based systems, Agrowlyte offers superior speed, safety, and sanitation versatility—making it an ideal fit for high-throughput, modern food production.

Category	Lactic Acid	Agrowlyte (Hypochlorous Acid - HOCl)
Antimicrobial Action	Slower pH reduction mechanism	Immediate oxidative kill
Target Range	Primarily bacteria	Bacteria, viruses, spores
Best Use	Fermented meats + preservation	Whole facility + direct meat sanitation
Worker Safety	Can irritate at high concentrations	Non-toxic, no protective gear needed
Operational Impact	May alter taste/texture	No sensory effect on product
Additional Benefits	Probiotic potential, bio-preservation	Eco-friendly, versatile

Resulting Impact

- Instant Kill Action: Destroys pathogens like E. coli and L. monocytogenes through oxidative damage
- Broad-Spectrum Efficacy: Targets bacteria, viruses, and spores
- Safe for Direct Use: FDA-cleared (FCN 1811) and no-rinse required
- Worker-Friendly: Non-toxic, no PPE required
- Eco-Conscious: Breaks down into salt and water; no chemical residue
- Flexible Application: Safe for carcasses, parts, organs, equipment, drains, and surfaces
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Regulatory & Safety Credentials

- FDA Cleared for direct contact (FCN 1811)
- EPA Approved: Food surfaces (≤200 ppm), meat water (≤5 ppm)
- USDA Organic Compliant
- Non-Irritant to workers and animals

Sustainability Advantages

Agrowlyte is generated on-site using only water, salt, and electricity, eliminating the need for harmful chemical storage and reducing transport emissions. With zero hazardous waste and full biodegradability, it offers a closed-loop environmental solution for sanitation. Lactic acid, while natural, requires microbial fermentation and more complex production systems with limited on-site applicability.

Bottom Line

Agrowlyte is the superior solution for facilities prioritizing immediate sanitation, safety, compliance, and sustainability. It lowers operational risks, improves worker safety, and supports ESG initiatives—all while outperforming traditional acid-based systems in speed and versatility. For processors looking to streamline costs, reduce risk, and modernize sanitation, Agrowlyte delivers both efficiency and peace of mind.

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FDA Conforms to Regulations

EPA Registration Number: 91582-1

USDA Organic Approval