

Nourishield™ 2000L



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## Nourishield<sup>™</sup> 2000L

Buffered Vinegar, Cultured Dextrose

#### **Applications**

- Processed meats
- Fresh meat

**Nourishield** is our portfolio of innovative multifunctional systems of combined technologies/products. Previously Durafresh UC Plus, Nourishield 2000L is a blend of organic acids and peptides that can improve product quality through clean inhibition of pathogens and spoilage in meats and poultry products.

#### **Benefits**

- Clean-label "nitrite-free" alternative to curing agents in poultry.
- Replace conventional curing process while providing efficacy against Listeria monocytogenes, Clostridium perfringens, Clostridium botulinum, and spoilage microorganisms.
- Facilitates a "No artificial preservative" claim.
- Can replace HPP.

## **HPP Replacement**

#### **HPP Bottle Necks:**

High cost

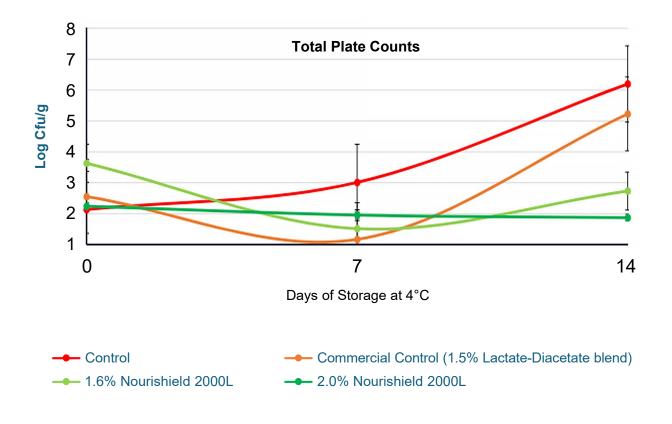
- Intense process
- Supply chain
- Additional packaging
- Energy/water
- requirements





#### Nourishield<sup>™</sup> 2000L on TPC

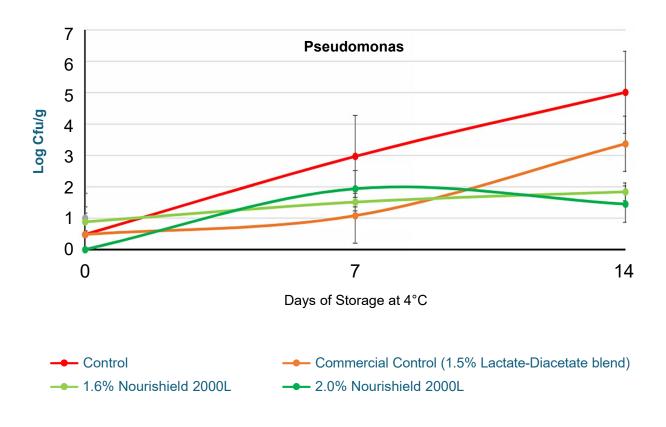
Meat Conditions: Chicken breasts vacuum tumbled with brine (0.75% salt, 12% pick up)





# Nourishield<sup>™</sup> 2000L on *Pseudomonas*

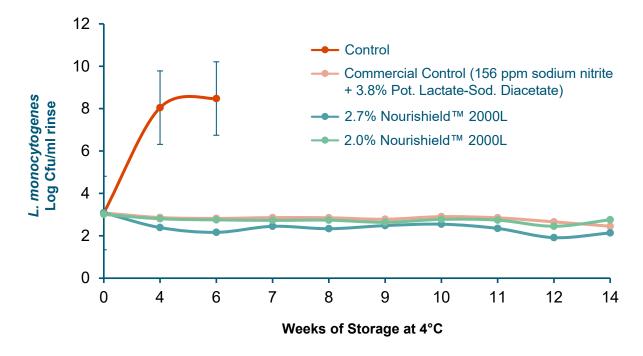
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## 14 Weeks in High Moisture, Low Sodium Turkey Meat

*Meat Conditions:* 6.2 pH, 76% moisture, 1.55% salt, 400 mg sodium / 56g serving







#### Ingredient Uniqueness

- First to market solution: The only solution of its kind on the market. Clean label, natural, nitrite-free solution designed to work well in high moisture and low sodium poultry applications. Patents: US 10,327,463 B2 and US 9,883,689 B2.
- More authentic poultry: Antimicrobial for poultry delimeat - enabling a more natural color, taste, texture and flavor and improves quality through shelf life.
- Pathogen control: Efficacy against *Listeria* monocytogenes, *Clostridium perfringens*, *Clostridium botulinum*, and spoilage microorganisms.
- Clean label: Replaces lactates, diacetates and sodium nitrites on product label with same level of protection for shelf life. New label is buffered vinegar and cultured dextrose. Facilitates "No Artificial Preservatives" or Natural Claim in many regions.





## Questions?

Reach out: joyjit.saha@kerry.com

Thank you!

