

# OXYPUR® HRF

Hydrogen peroxide-based solution  
for farm and facility disinfection

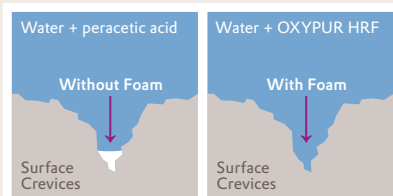


**OXYPUR® HRF** is a green and powerful high retention foam disinfectant based on oxidizing chemistry. A phosphate-free formula, it consists of a unique formulation of a special foam agent, and hydrogen peroxide. **OXYPUR® HRF** is easily biodegradable into only substances like water and oxygen, and is thus more sustainable for the environment.

## Key Attributes

- One step cleaning and sanitizing
- Contains organic acid, descales and disinfects
- No need for artificial scrubbing and it is harmless to soft metal
- Excellent foam performance
- Formula free of phosphates
- Can penetrate small crevices
- Powerful antimicrobial efficiency
- High productivity and cost saving for the processors

## Why choose us

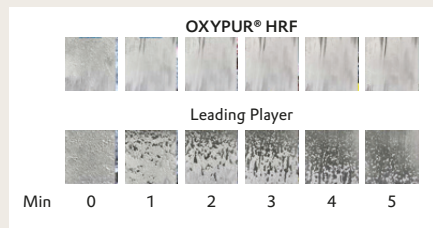


## How to use

1. Pre-flush the equipment and remove any deposits
2. Apply foam to surface with 1 - 3 % **OXYPUR® HRF** solution
3. Contact time is 10 to 30 minutes
4. Rinse with room-temperature water

## Foam Efficacy

1. **OXYPUR® HRF** is more long lasting on surfaces. That means more time to combat microbes when compared with the leading player
2. Greater adhesion results in better anti-microbial efficiency



## Application

### Farm & Hatchery

1. For hatchery areas, **OXYPUR® HRF** is used on drainage systems, hard surfaces, eggtrays, and hatching cabinets
2. For farms, **OXYPUR® HRF** is used at farm entry, for shed hygiene and on hard surfaces of the farm

### Slaughtering & Further Processing

1. For slaughtering facilities, **OXYPUR® HRF** is used at factory entry, processing equipment, hard surfaces and drainage systems
2. For further processing facilities, **OXYPUR® HRF** is used at factory entry, processing equipment, hard surface, drainage system & broiler crate

## OXYPUR® HRF intervention at broiler transportation coops to control salmonella and aerobic bacteria

Lab Trials Treatments	Log <sub>10</sub> Reductions Aerobic Plate Count	Log <sub>10</sub> Reductions Salmonella Plate Count
Low Pressure Water Rinse	2.14 ± 0.47	2.10 ± 0.54
OXYPURE® HRF Only (PAA+FA)	4.71 ± 1.33	4.12 ± 0.26
HPWR Followed by OXYPURE® HRF (PAA+FA)	4.10 ± 0.81	3.99 ± 0.65
OXYPURE® HRF (PAA+FA) Followed by HPWR	4.42 ± 1.38	4.58 ± 1.21

Field Trials Treatments	Rep.1 Log <sub>10</sub> Reductions Aerobic Plate Count	Rep.2 Log <sub>10</sub> Reductions Aerobic Plate Count
Low Pressure Water Rinse	0.00 ± 0.66	0.42 ± 0.37
OXYPURE® HRF Only (PAA+FA)	0.88 ± 0.62	0.80 ± 0.34
HPWR Followed by OXYPURE® HRF (PAA+FA)	1.72 ± 0.57	2.32 ± 0.40

#### Remarks:

1. All treatments were given a 10 min contact time and were followed by a Low Pressure Water Rinse of the transportation coops to remove any residual chemical
2. HPWR = High Pressure Water Rinse; PAA + FA = OXYPURE® HRF = Peroxyacetic acid with a foam additive
3. Values for reductions in aerobic bacteria and Salmonella recovery were calculated by subtracting post-treatment from pre-treatment samples
4. Credit: <https://www.mdpi.com/360150>

## Efficacy Test Report

Test Item	Result	Method	Requirement
Salmonella enterica ATCC 10708	1:50 (Sample: Water) killed the test bacteria in 60 carriers	AOAC Official Method: 2019 (955.14)	Must killed the test bacteria in 59 of 60 carriers
Staphylococcus aureus ATCC 6538			
Pseudomonas aeruginosa ATCC 15442			
Trichophyton mentagrophytes ATCC 9533			

Remarks: 1. The germicidal efficacy of one-step cleaner disinfectant by used-Dilution test has been performed as follows: The dilution of exposure to germicidal disinfectant (exposure time) in 10 minutes specified by the sender. 2. Reference from Bureau of Cosmetics and Hazardous Substances, Ministry of Health Thailand. Report number 64060400840. <http://www.dms.moph.go.th/home.php>

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