

Disinfectant **THYMOX**TM

Green Choice, Clean Advantage



- BIODEGRADABLE • NON-CORROSIVE • NON-TOXIC • ULTRA PERFORMANT •

THYMOX™ Green Choice

Developed by the M2 Laboratory, a Quebec firm, **THYMOX™** is an agricultural disinfectant made of **natural active ingredients** that offers a wide spectrum of **efficacy** and is fully **biodegradable**.

Safe for the user and the environment, **THYMOX™** is today's product of choice because of its innovative character, its effectiveness and its ability to satisfy stringent food security requirements, from farm to table.

BACTERICIDE, FUNGICIDE AND VIRUCIDE, **THYMOX™** presents several favorable characteristics:

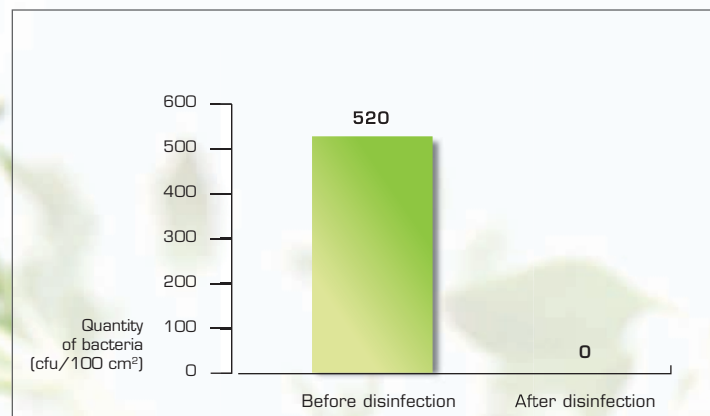
- Fully biodegradable in less than 14 days (OECD 301E)
- Non-corrosive on surfaces (pH neutral)
- Non-toxic
- Effective with hard water
- Does not stain surfaces or skin
- Detergent action and foaming agent
- Leaves a pleasant lemon-thyme aroma for several days (long-lasting action)
- Active ingredient Thymol 18%

THYMOX™ Clean Advantage

Successful tests in agricultural buildings

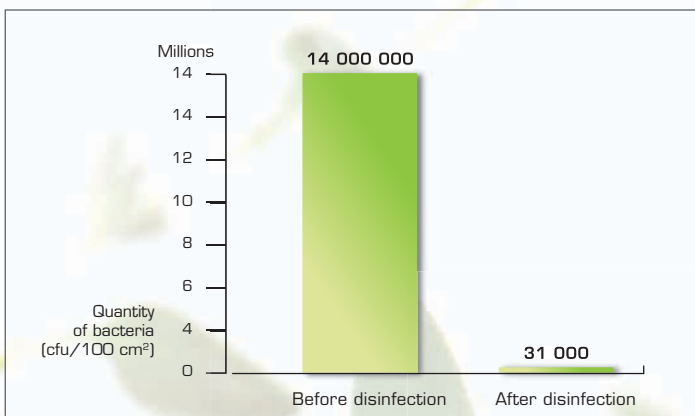
Efficacy tests in several types of porcine and avian buildings have demonstrated the **outstanding efficiency** of **THYMOX™**. In each case, total bacterial flora and *E. coli* bacteria were evaluated before and after building disinfection and on different types of surfaces (concrete, wood, steel grates, plastic).

E. coli



In recommended application conditions, **THYMOX™** destroyed 100% of detectable *E. coli* bacteria within the agricultural buildings.

Total bacterial flora

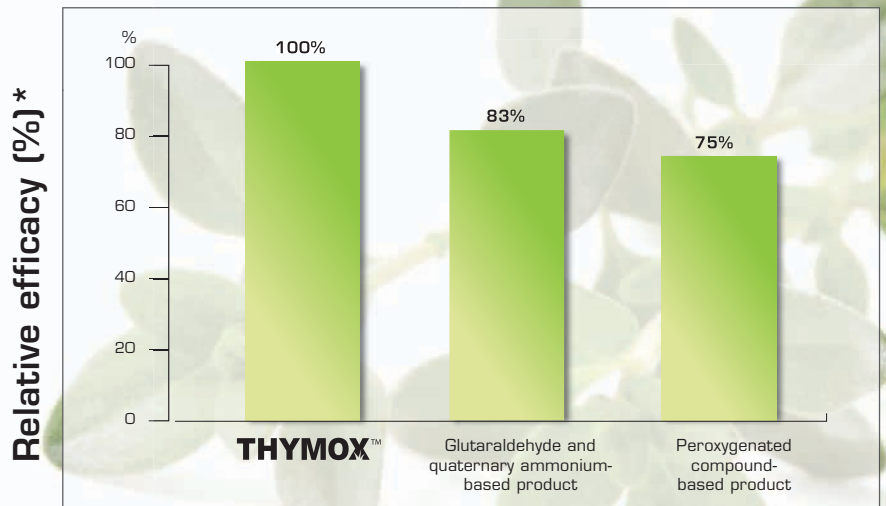


THYMOX™ has a wide spectrum of efficacy, allowing it on average to significantly reduce total bacterial flora (close to 14 million bacteria per 100 cm² or 3 log units).

Efficacy of THYMOX™ compared to different types of products currently used in disinfecting agricultural buildings.

During 20 different disinfectant tests in agricultural buildings, total bacterial flora was evaluated before and after disinfection with various disinfectant products.

*The relative efficacy represents the reduction % of a disinfectant compared to the reduction % obtained by THYMOX™ in disinfecting an agricultural building.



Efficacy demonstrated by standard methods

THYMOX™ efficacy has been demonstrated in laboratory tests using the standard methods of the Association of Official Analytical Chemists and the American Society for Testing and Materials. These methods meet the requirements of Health Canada and the US-EPA for efficacy in disinfecting environmental surfaces.

Action	Target	Effective dilution rate	Required contact time (minutes)	Methodology
Bactericide	<i>Staphylococcus aureus</i> <i>Salmonella choleraesuis</i> <i>Pseudomonas aeruginosa</i> <i>Escherichia coli</i> <i>Listeria monocytogenes</i> <i>Streptococcus suis</i>	1%	10	AOAC ¹
Fungicide	<i>Trichophyton mentagrophytes</i>	1%	10	AOAC ¹
Virucide	Influenza A PRRS	1%	10	ASTM ²

1. Association of Official Analytical Chemists 2. American Society for Testing and Materials

Accreditation

Accreditation	Characteristics	Verification
Wide spectrum of activity	Effective against bacteria, fungus and some viruses	Health Canada DIN 02305445
Odour control	Eliminates germs that cause bad odours, and leaves a fresh scent of essential oils	—
Biodegradable	Fully biodegradable in less than 14 days	OECD 301E-14 days
Non-toxic	The active ingredient is 100% natural and generally recognized as safe, and is included on the list of US-EPA minimum-risk pesticides	US-FDA US-EPA Health Canada
Government accreditation	Meets standards for the manufacturing, control and distribution of antimicrobial agents used on environmental surfaces, and abides by the Canadian Food and Drugs Act	Health Canada DIN 02305445



www.laboratoirem2.com



Toll-free : 1 866 898-0697

575 Union Street
Sherbrooke (Quebec) J1H 2X5
CANADA



Printed on 100%
recycled paper