



Eliminates Many Kinds of Viruses and Germs

NoRostar

Food Safe

Mild Acid

Ethanol Content: 65% (by volume)

Commercial Use Alcohol Sanitizer
600 mL, 5 L, 20 L

“NoRostar” alcohol sanitizer is proven effective against “multiple viruses” as recommended by the U.S. Centers for Disease Control and Prevention (CDC) and “Standard Methods of Analysis in Food Safety Regulation”.

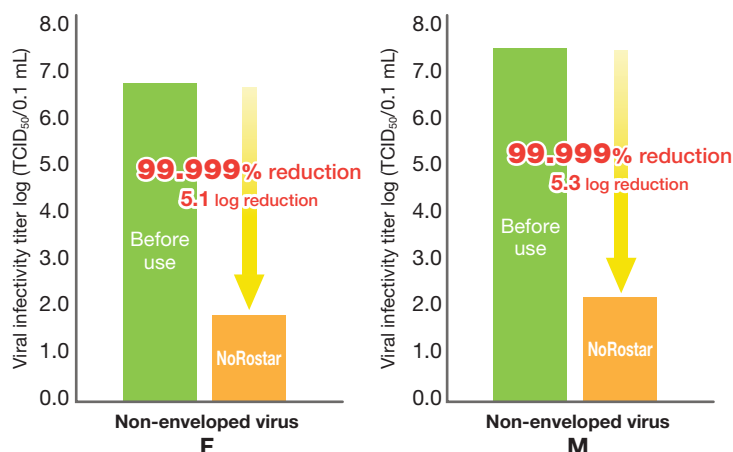
Contains magnesium sulfate in addition to ethanol and organic acids to eliminate a variety of viruses and germs.

“Clean deeper, better, everyday” with **NoRostar**.



Eliminates Viruses Even in the Presence of Dirt*

Performance Against Two Non-Enveloped Viruses



Test conditions:

Ratio of NoRostar to virus solution = 9:1, 60 seconds of contact
Virus solution containing 5% meat extract was used.

Infectivity titer calculation:

Based on TCID₅₀

Source:

Biomedical Science Association (study number: NL29-4)

* The dirt is represented by 5% meat extract. This product is not guaranteed to perform in the presence of all types or amounts of dirt.

A 5 log₁₀ reduction means that infectivity is reduced by 10⁻⁵, or to 1/100,000th the initial infectivity. Assuming the presence of 1,000,000 virus particles, this equates to a reduction to around just 10 virus particles. Even highly infectious viruses require tens of viruses to cause infection, so the likelihood of infection is reduced.

Example Uses for NoRostar

Wiping down high touch surfaces



Tables



Chairs



Handrails



Refrigerator handles



Door knobs

Disinfecting kitchen equipment



Knives



Chopping boards



Water taps

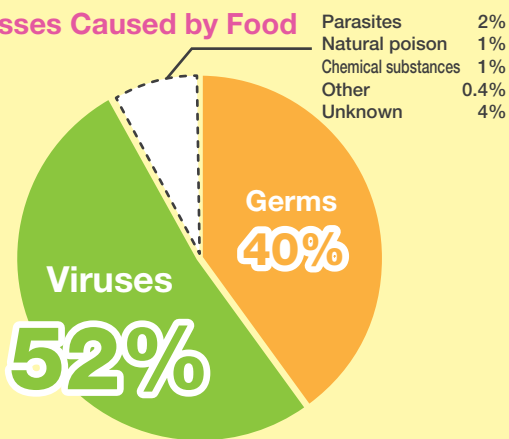
Disinfecting the toilet



Toilet flush levers

* Use a second cloth to clean visible streaks left behind after wiping down.

Illnesses Caused by Food



In terms of patient numbers, **more than half are caused by viruses.**

Eliminate Viruses

Viruses can have an envelope structure (**enveloped viruses**) and no envelope structure (**non-enveloped viruses**). Non-enveloped viruses are considered more resistant to chemicals.

Virus Type	Method of Elimination
Enveloped viruses	<ul style="list-style-type: none">● Heating (80°C for 10 minutes)● Alcohol● 200 to 1000 ppm Sodium hypochlorite solution
Non-enveloped viruses	<ul style="list-style-type: none">● Heating Equipment and containers (80°C for 5 minutes)● Food (85 to 90°C for 90 seconds)● 200 to 1000 ppm Sodium hypochlorite solution● Some alcohol-based disinfectants are effective

⚠ Precautions for Use

- Do not use next to an open flame.
- Do not use on untreated wood, paulownia wood, paintwork, or waxed surfaces of furniture and floors as this product may cause staining, discoloration, or deterioration.
- Do not leave in extended contact with iron, copper, or copper alloy products as this product may cause discoloration or rust.
- Please check before using on plastic and rubber as this product may cause deterioration of these materials.
- Additives may remain on sprayed surfaces after drying. Wipe down sprayed surfaces with water if necessary.
- Ensure surfaces and objects are clean with no residual moisture before using this product.
- The appearance and labeling of this product may be altered without notice.

A dedicated spray bottle is available.

* Sold separately

Product name: NoRostar wide-necked 500 mL spray bottle (blue gun)

Product code: 900087

Product Data			
Product Name	NoRostar		
Ingredients (weight%)	Ethanol (57.22%), citric acid (1.93%), glycerin fatty acid esters (0.20%), magnesium sulfate (0.06%), sodium citrate (0.06%), purified water (40.53%)		
NET	600 mL	5 L	20 L
Packaging	600 mL × 12 units/case	5 L soft bottle × 4 units/case	20 L (Bag-in-Box container)
Product Dimensions*	85 mm × 80 mm × 247 mm	206 mm × 132 mm × 290 mm	297 mm × 297 mm × 282 mm
Case Dimensions*	339 mm × 255 mm × 260 mm	424 mm × 282 mm × 297 mm	
Stacking Limit	3 cases	3 cases	3 cases
Product Code	275960	275931	275902
JAN Code	4975657270662	4975657270679	4975657270686
ITF Code	14975657270669	14975657270676	

* Dimensions are external length × width × height. Case dimensions are score-to-score dimensions.

* 20 L BiB container does not include a tap valve. Please purchase separately.



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