

# The World's First Food Grade Halal Ethanol Sanitizer



Certified by JAKIM  
(Recognized by MUIS Singapore)

**TAKEX CLEAN**  
**TAKEX CLEAN**  
**EXTRA**

High Quality Ethanol Formulation  
Approved By Professionals  
And Mummies

## Demonstrable effects on variety of bacteria removal

### 5 FEATURES

1. WIDE RANGE OF ANTIBACTERIAL EFFECT

2. EFFECTIVE EVEN IN WET OR DAMP PLACES

3. SAFE AND HUMAN FRIENDLY

4. HIGH DEODORIZING PERFORMANCE

5. HIGH DURABILITY



40-50 w/w(%) Ethanol

**NORMAL TYPE**



70-80 w/w(%) Ethanol

**SPECIAL TYPE**

Combining bamboo and ethanol  
**TAKEX CLEAN & TAKEX CLEAN EXTRA**

surpass the effectiveness of existing ethanol formulation

### HUMAN - FRIENDLY, EXCELLENT SAFETY PERFORMANCE

While it is effective on viruses, it is safe for the human body. Owing to the use of natural plant based ingredients, our products are safe for the elderly and children.



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# Where to use **TAKEX CLEAN**

## FOOD GRADE AND HUMAN FRIENDLY

You can use it on cutting boards, kitchen knives and serving area as it is also effective on wet and damp places. Besides, you can use it on handrails and door knobs of entrances to prevent secondary infection as it has high durability.

## WHERE TO USE IN THE RESTAURANTS :

### DINING HALL



### KITCHEN



To kill bacteria on tables and odor on chairs



To kill bacteria on counters



To kill bacteria on door knobs and handrails



To kill bacteria and odor on toilets



To kill bacteria on cash registers



To kill bacteria on sinks



To kill bacteria on cooking tools



To kill bacteria on refrigerators



To kill bacteria on drinks server / drinks dispenser



To kill bacteria and odor on garbage

## WHERE TO USE IN THE FOOD FACTORIES :



To kill bacteria on cooking tools



To kill bacteria on sinks



To kill bacteria on kitchen knives and cooking tools



To kill bacteria on food processing machines



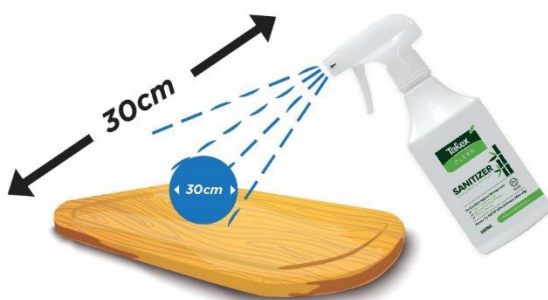
To kill bacteria and odor inside the refrigerators and handrails



To kill bacteria on trays



To kill bacteria on meat choppers



Ethanol formulation works when in contact with bacteria and virus.

**Guideline of use:**  
**Spray twice to the diameter of 30cm.**



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# Demonstrable effects on variety of bacteria removal

## 5 FEATURES

1  
WIDE RANGE OF  
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EFFECT

2  
EFFECTIVE EVEN  
IN WET OR  
DAMP PLACES

3  
SAFE AND  
HUMAN  
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HIGH  
DURABILITY

\* Tested with Takex Clean Biz sold in Japan

No.	Microbes	Test result			Test laboratory
①	Bird Flu Virus ( H5N3 )		Test	/	Kyoto Industrial University Bird flu research center
		TAKEEX CLEAN Biz	ND		
		PBS solution	6.7		
②	<i>Feline calicivirus</i>		start	30 min	Japan Food Research Laboraroties
		TAKEEX CLEAN Biz	6.7	ND	
		purified water	6.7	6.8	
③	Influenza virus		start	1 min	
		TAKEEX CLEAN Biz (50 %)	6.5	ND	
		purified water	6.5	6.5	
④	Methicillin-resistant <i>Staphylococcus aureus</i> ( MRSA )		Test	34 days	Japan Food Research Laboraroties
		TAKEEX CLEAN Biz (dry & undiluted)	1st	10	
		laboratory dish (nothingsprayed)	1st	$8.4 \times 10^5$	
		TAKEEX CLEAN Biz (dry & undiluted)	2nd	ND	
⑤	<i>Staphylococcus aureus</i>		start	15 min	Osaka Food Hygiene Association food analysis center
		TAKEEX CLEAN Biz (x3 dilution)	$4.9 \times 10^6$	ND	
		phosphate-buffered dilution	$4.9 \times 10^6$	$4.9 \times 10^6$	
⑥	<i>Campylobacter jejuni</i>		start	15 min	Osaka Food Hygiene Association food analysis center
		TAKEEX CLEAN Biz (x3 dilution)	$1.0 \times 10^6$	ND	
		phosphate-buffered dilution	$1.0 \times 10^6$	$5.4 \times 10^5$	
⑦	<i>Escherichia coli O157-H7</i>		start	15 min	
		TAKEEX CLEAN Biz (x3 dilution)	$3.9 \times 10^6$	ND	
		phosphate-buffered dilution	$3.9 \times 10^6$	$3.0 \times 10^6$	
⑧	<i>Legionella pneumophila</i>		start	15 min	Japan Food Research Laboraroties
		TAKEEX CLEAN Biz (x3 dilution)	$2.0 \times 10^5$	ND	
		purified water	$2.0 \times 10^5$	$3.0 \times 10^5$	
⑨	<i>Pseudomonas aeruginosa</i>		start	15 min	Osaka Food Hygiene Association food analysis center
		TAKEEX CLEAN Biz (x3 dilution)	$9.7 \times 10^6$	ND	
		phosphate buffered saline	$9.7 \times 10^6$	$1.1 \times 10^7$	
⑩	<i>Salmonella</i>		start	15 min	
		TAKEEX CLEAN Biz (x3 dilution)	$7.3 \times 10^5$	ND	
		phosphate-buffered dilution	$7.3 \times 10^5$	$5.4 \times 10^5$	
⑪	<i>Vibrio parahaemolyticus</i>		start	15 min	
		TAKEEX CLEAN Biz (x3 dilution)	$1.0 \times 10^6$	ND	
		phosphorolysis buffered dilution 3%NaCl	$1.0 \times 10^{11}$	$1.0 \times 10^{11}$	
⑫	<i>Aspergillus niger</i>		start	15 min	Osaka Food Hygiene Association food analysis center
		TAKEEX CLEAN Biz (undiluted)	$9.0 \times 10^4$	ND	
		phosphate-buffered dilution	$1.0 \times 10^5$	$9.0 \times 10^4$	
⑬	<i>Trichophyton</i>		start	15 min	
		TAKEEX CLEAN Biz (undiluted)	$3.0 \times 10^4$	ND	
		phosphate-buffered dilution	$3.0 \times 10^4$	$3.7 \times 10^4$	



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## 5 FEATURES

1 WIDE RANGE OF ANTIBACTERIAL EFFECT

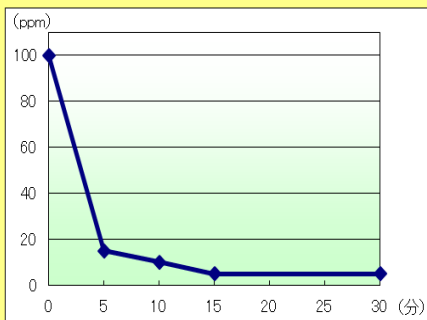
2 EFFECTIVE EVEN IN WET OR DAMP PLACES

3 SAFE AND HUMAN FRIENDLY

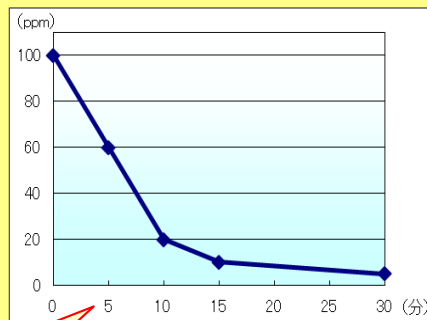
4 HIGH DEODORIZING PERFORMANCE

5 HIGH DURABILITY

Remaining gas concentration (Trimethylamine)  
\*garbage



Remaining gas concentration (ammonia)  
\*toilet



Both data shows you more than 95% deodorant rate.

Test laboratory: Internal laboratory

Other odor:

- ✓ Cigarette
- ✓ Nonenal
- ✓ Sweaty and damp shoe smell

⋮

And many more!

## Coming soon! Other Products from Takex

### Shelf-Life Enhancer for Foods



TAKEX GREEN FRESH



MS 1500  
1 081-03/2018

Halal Certified by JAKIM



TAKEX KEEP



TAKEX BERRY

