

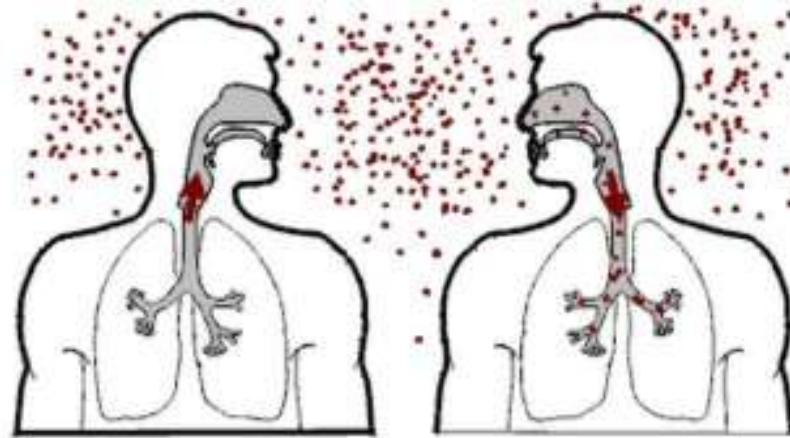
The Green-Clean & Sterile World of perfect sanitation



nichi
clinister
mist



Aerosol (airborne) infections Have been a major health risk



*Doctors,
Who treat
Patients
Are at a
Much
Higher
Risk
Of getting
Infected
With aerosol
Infections
They
Are exposed
To as they
Come
Across
Patients
In day to day
practice*

Especially in hospitals where people with different infections come together. The Newborn, Elderly, Patients in critical care units, isolation units, who undergo surgery in OT, those in bone marrow transplantation units are at very high risk

MUST be
easy to
administer
in day to
day
practice

without
need for
expensive
infra-
structure

such as
air ducting
etc

Need of the hour

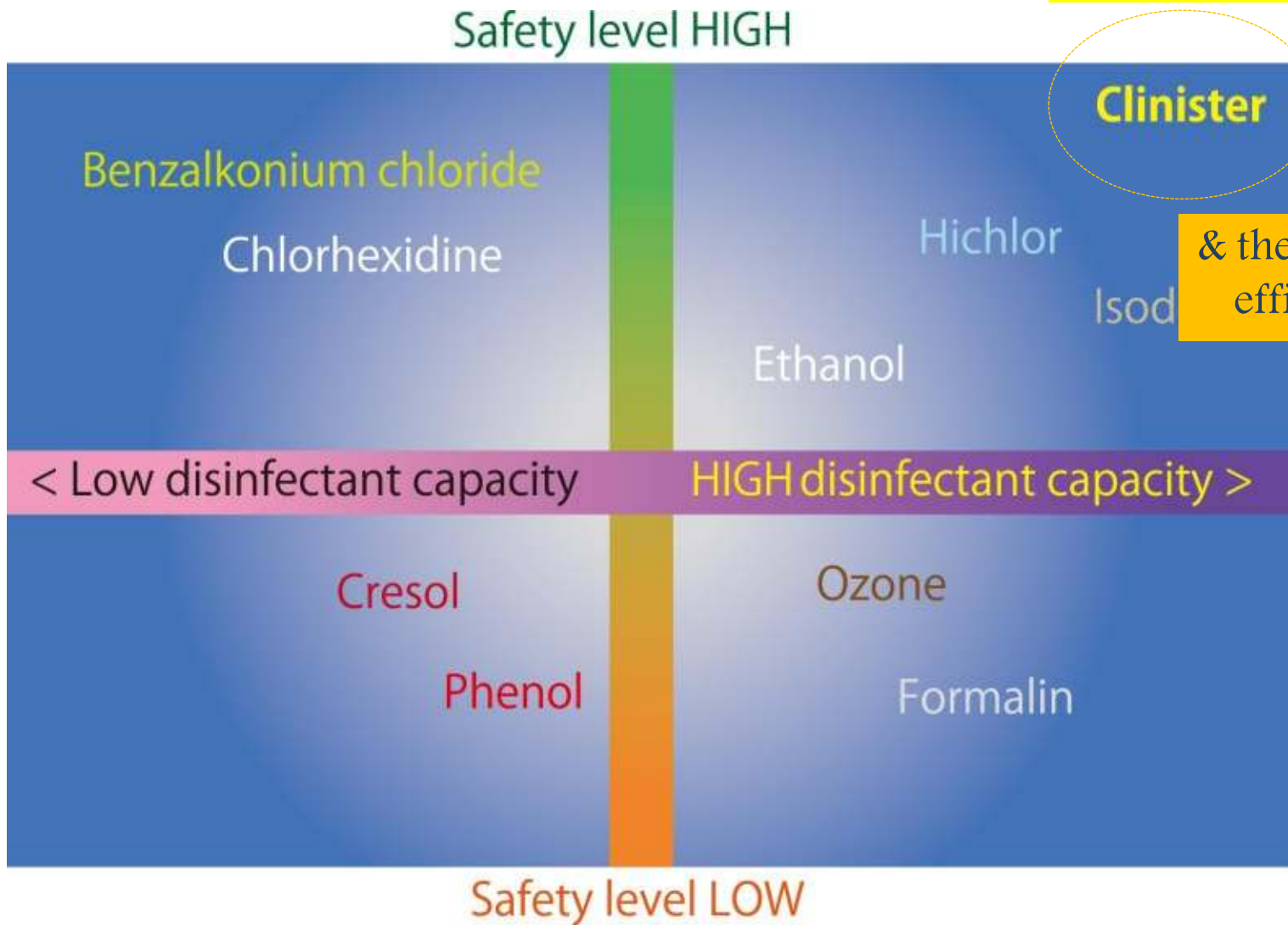
An agent which will sterilize the atmosphere
At such high risk areas for contamination, which
will fulfill the following criteria:

- 1. Will have a powerful disinfectant capacity against most of the pathogens in such settings**
- 2. Should be harmless to human beings**

THE
ONE
&
Only
Such
Product
From
JAPAN

Clinister is an
Alcohol-free, food additive
(*Citric acid*) based naturally derived
Highly powerful disinfectant
Which not only cleanses the body and
other surfaces on which it is applied
without any adverse reactions
but also sterilizes the
Atmosphere when sprayed
continuously in mist form

The SAFEST



Clinister

& the MOST efficient

Pathogens are made of proteins and their cell membrane is electrically charged.

To destroy the pathogen, a neutral entity is suitable as it can easily enter into the pathogen through the cell wall

As the nucleus of the pathogens contain water, Alcohol based disinfectants at molecular level inside the pathogens, undergo acidic change to become Acetaldehyde. The H⁺ of nucleus turns it to become Acetic acid damaging the nucleus

Clinister contains three Carboxylic acid - moieties based Sodium citrate that becomes highly powerful acid once inside the nucleus of the pathogen and dehydrates the water content of nucleus thereby damaging it to kill the target pathogen

Efficacy of Clinister Vs Alcohol based products

Criteria	Clinister	Others
Bacterial eradication		
E.Coli – O 157	✓	✓
Staph. Aureus	✓	✓
Tricophyton (Tinea)	✓	✓
Serratia	✓	✗
S.Mutans	✓	✗
P.Gingivalis	✓	✗
Removal of Pathogens	✓	✗
Skin allergy prevention	✓	✗
Cleansing effect	✓	✗
Skin with alcohol allergy	✓	✗
Removal of bad odor	✓	✗

Effective against...



Trichophyton (Tinea)



Influenza Virus



E. Coli & -157



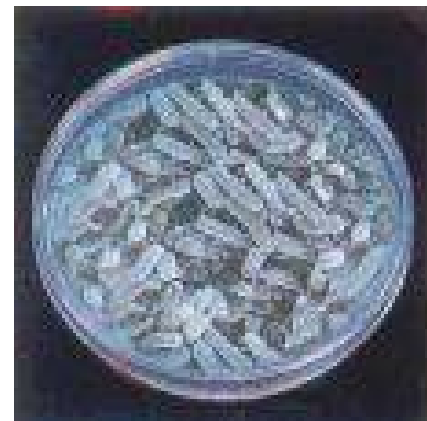
P.Gingivalis



Malassezia



Pseudomonas

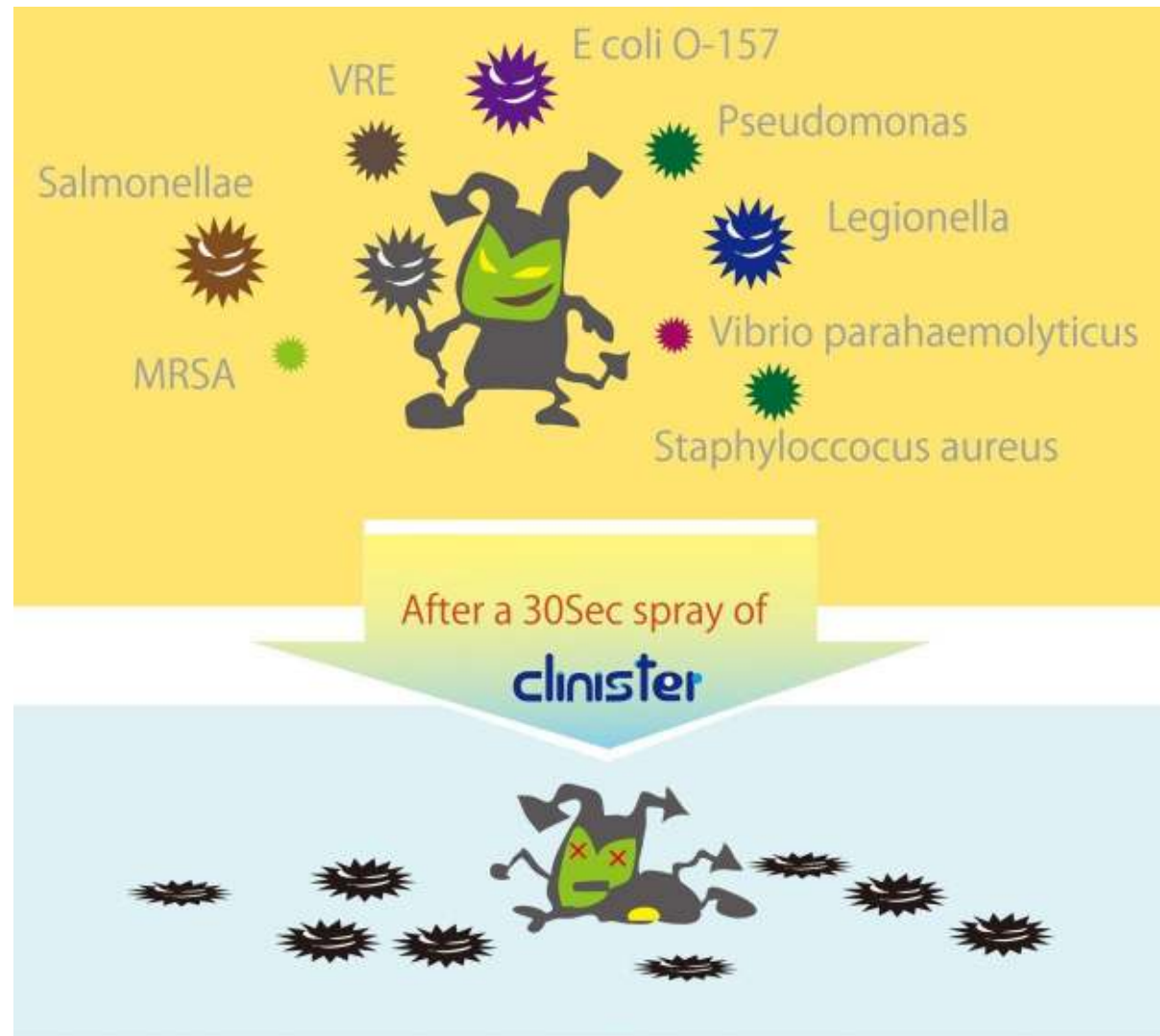


Salmonella



Staph.Aureus

*A 30 second
Spray-test
Kills majority
Of the clinically
Contagious
pathogens*



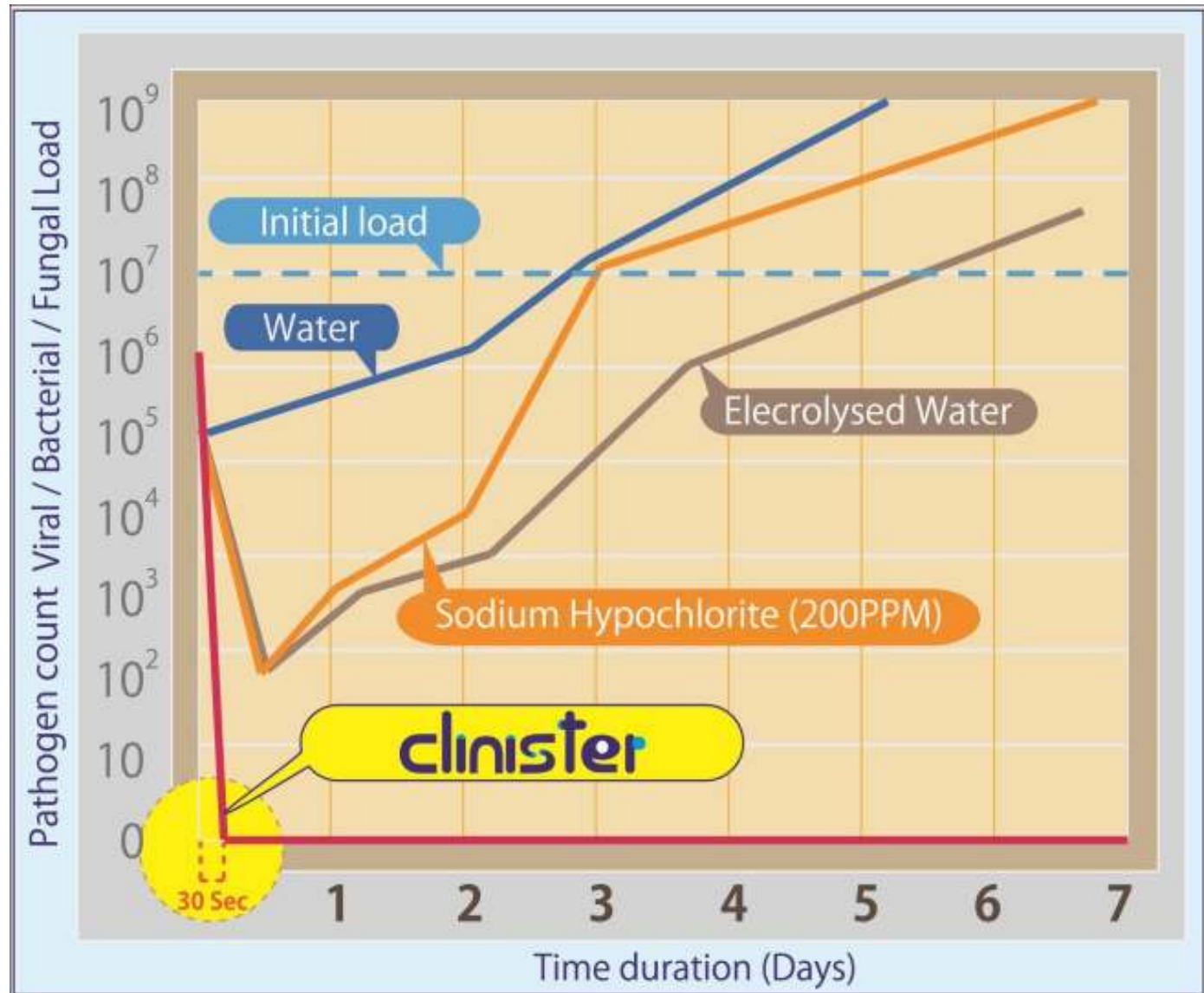
Data as per tests conducted and certified (No 20-04633) by Osaka Prefectural Industrial Research Agency

Efficacy of Clinister

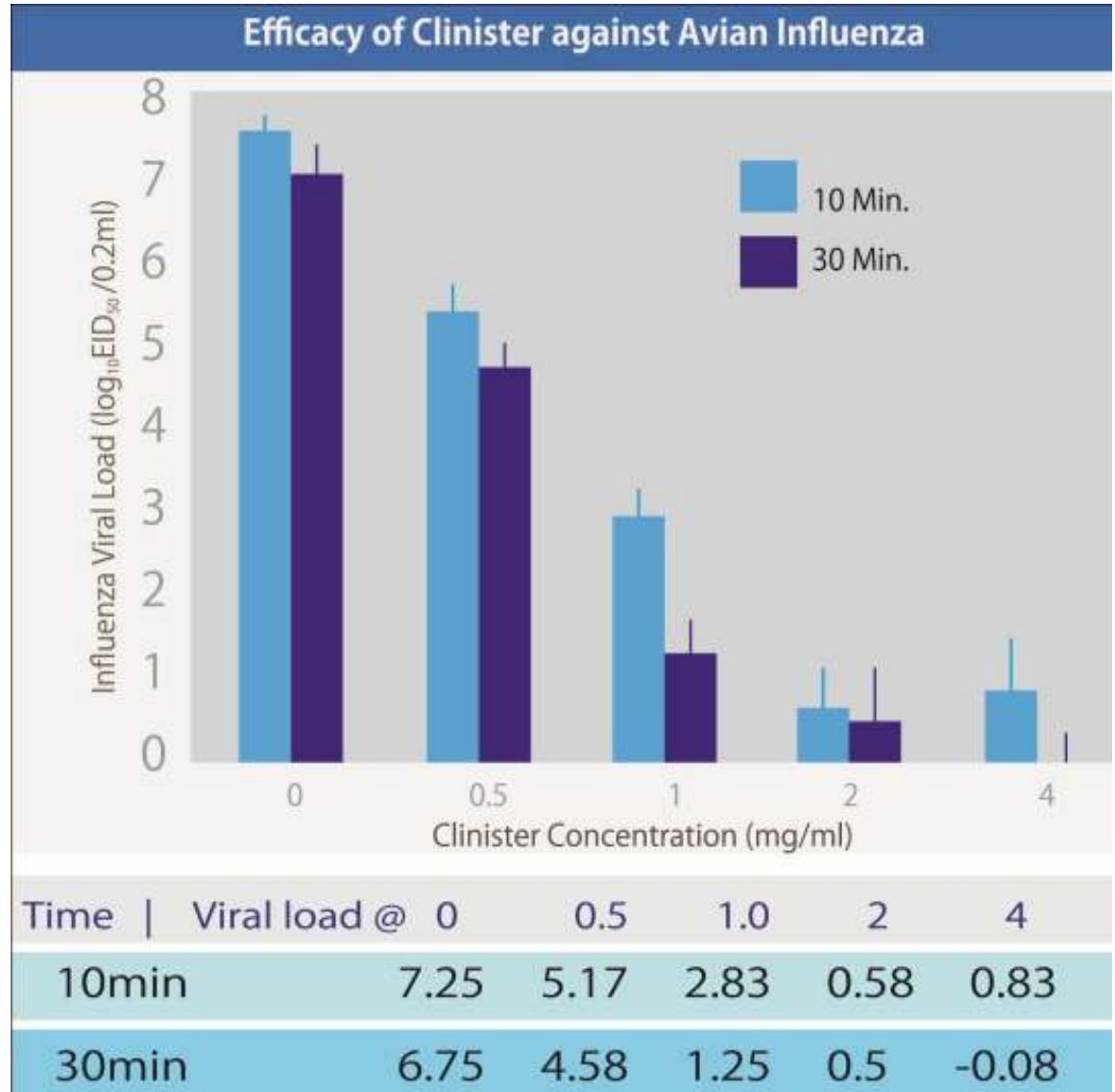
*When
Used
As a
Spray
.....*

No	Pathogen	Ratio Powder (g) : Water (cc)			
		1:100	1:250	1:500	1:1000
1	Salmonellae	●			
2	O-157	●			
3	VRE (Vancomycin-resisitant Enterococcus)	●			
4	Escherichia coli	●			
5	Trichophyton rumbrum (Tinea)	●			
6	MRSA (Methicillin-resistant Staphylococcus aureus)	●	●		
7	Pseudomonas aeruginosa	●	●		
8	Staphylococcus aureus	●	●		
9	Legionella pneumophila	●	●		
10	Vibrio parahaemolyticus	●	●		
11	Avian influenza	●	●	●	
12	Influenza virus	●	●	●	
13	S.mutans, P.gingivalis (Decayed tooth)	●	●	●	
14	Smell (Smoke / Ammonia)	●	●	●	●

Clinister...
*Not only
 Kills pathogens
 But also
 Prevents their
 Recurrence
 For long
 duration*



*Effectively
Controls
The spread of
Avian Influenza*



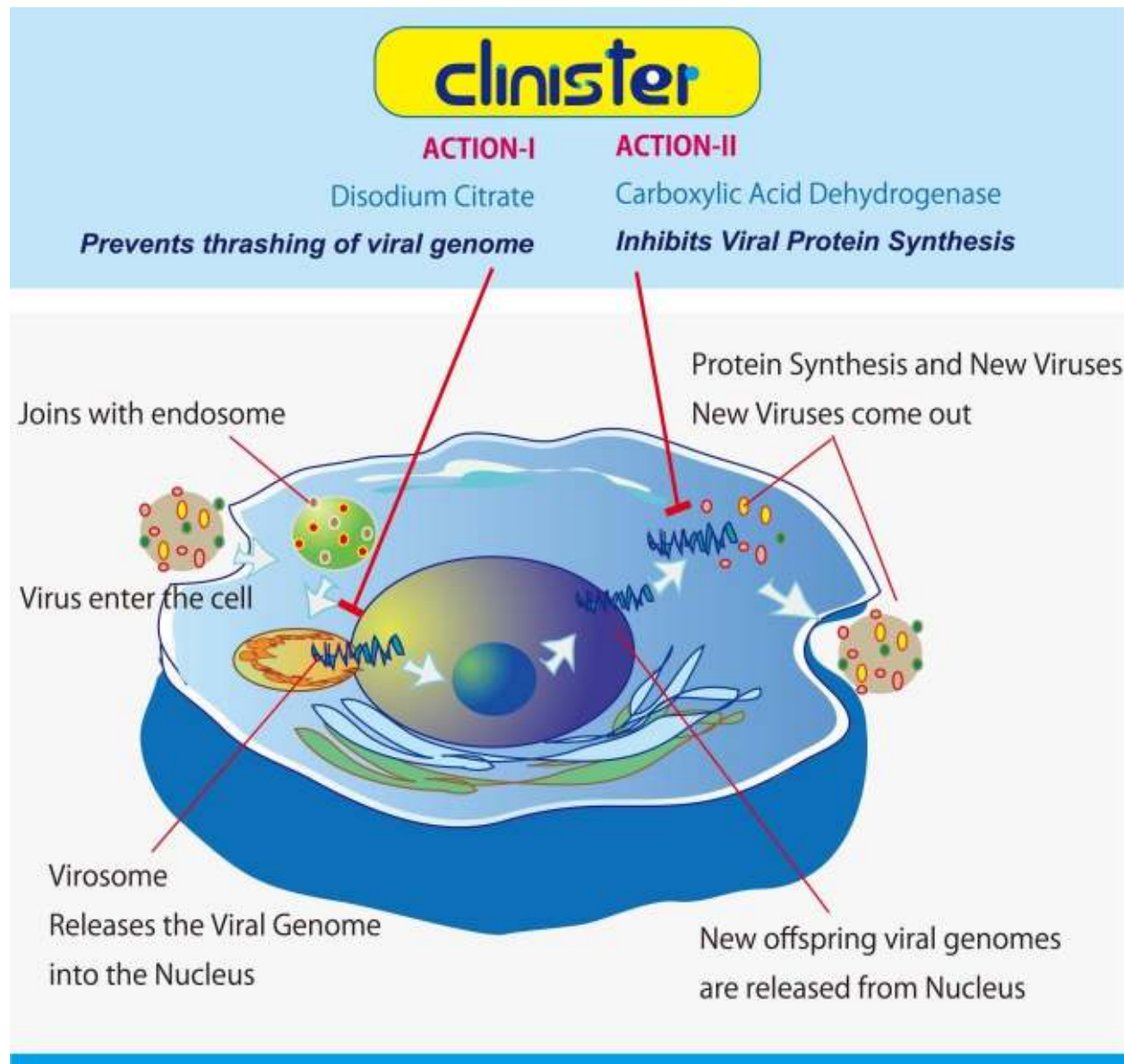
**Highly powerful
Disinfectant against most of the
Influenza strains**

*By preventing the entry of viral
genome into the nucleus*

&

*By inhibiting the protein synthesis
Necessary for viral replication*

*Knocks of
Influenza
Viruses
By
Acting on
Two Key
Areas of
Viral
replication*



The Clinister *Mist*

Comes as a
Portable
Dispenser module
Without any need for
Alteration in your
Air-handling unit
Or infrastructure



An advantageous Mist size

Clinister Mist:
5 Microns

E.Coli O157
2 Microns

S.Aureus
0.8 Micron

Influenza
0.1 Micron

Clinister Mist:
**Gets hold of all the
Above pathogens**

The Green-Clean & Sterile World of perfect sanitation

Clinister Unique advantages

1. Better than all other disinfectants in terms of safety & efficacy
2. No alcohol and therefore NO allergy, Could be used as a continuous spray
3. Not only destroys the pathogens; But also prevents their recurrence for long
4. Inhaling or surface contact for long doesn't cause any damage as it's based on naturally occurring food additive

About Clinister

Ingredients, handling & safety

Organic Carbonic acid (*food additive*)

Glycerin & Sodium citrate

Available in powder form, soluble in water

Cooking materials, vegetables could be washed with this.

Usage in Refrigerator, pets, Clinics, Operating rooms are safe.

Ingestion of the material has been tested to be safe, the contents being food additives (Ref)

Avoid exposure to eye. When happens, wash with water

And if irritation continues, consult a physician

Store in dark cool place, keep out of reach of kids

References:

Kubota S, et al., New Food Industry. 2010; 52 (1): 55-58

Kubota S et al., New Food Industry. 2008; 50 (9):43-48

Whereall Clinister Mist would be useful

Dental Clinics

All out patient clinics, Consultation cabins

Operation theaters

Intensive Care Units (ICU)

Isolation units & Burn units

Bone Marrow Transplantation Units

Old age homes

Laboratories

Vaccine, Medical Camps

Infectious diseases wards

Isolation units & Burn units

Tuberculosis wards

Air cleansing is indispensable *In a dental clinic*

"Potentially hazardous bioaerosols created during dental procedures can be significantly reduced using an air cleaning system."

C. Hallier et.al. British Dental Journal 2010

The **Clinister** *Mist*

Fill the clinister tank 3.5litres
Of drinkable water and add
2grams of **Clinister** powder
And switch on

You are protected for
24 Hrs from all the pathogens
Mentioned



The **Clinister** *Mist*

An indispensable
Protection in day to day life of
Every physician
Patients in hospitals
& those who are
Immunocompromised



The Green-Clean & Sterile World of perfect sanitation



nichi
clinister
mist

...a *must* for every Dentist & Physician





The **Clinister** *Mist*

*A Japanese technology
now propagated to the world by
GN Corporation, Japan*

nichiin@gncorporation.com

Thank You