

# bio**brume**



A superior multi-purpose  
gentle & natural germicide for  
dental clinics

brought to you by

**Medzine**

## Summary Q & A

Who are we?	We are Medzine. We provide holistic, cost-effective sanitation strategies to entities. This information helps them reduce the risks of viral outbreaks among their members.
What services do we provide?	We help entities by providing them with products and services that help them execute the strategy they ultimately choose – sanitizer, disinfectant, masks, foggers, PPE, air filters, etc.
What's Biobrume?	Biobrume is a family of germicides that is marketed by Medzine.
What's special about Biobrume?	The rest of this document focuses mainly on Biobrume, please see the other pages for more details.
Anything else?	Yes! Biobrume is the <i>only</i> multi-use germicide available that's non-toxic and so safe that it can be used as an oral wash and for equipment! <i>This means that you can spray/decontaminate common areas even when occupied. This significantly reduces downtime without any health risks.</i>

# Where can **Biobrum** be used?

Short answer: **EVERYWHERE!**

- ✓ Reception
- ✓ Common spaces
- ✓ As a **sanitizer**
- ✓ All equipment
- ✓ Desks and chairs
- ✓ Post-use wipe-down
- ✓ Dentist chair
- ✓ Fumigating & fogging
- ✓ Oral wash
- ✓ Walls, floors & carpets
- ✓ Upholstery, incl. leather
- ✓ Metal, plastic surfaces
- ✓ Bathrooms, toilets
- ✓ PPE, gowns, etc.
- ✓ High traffic spaces
- ✓ Wash hands and face
- ✓ Dental equipment
- ✓ Many other...

Kills  
**99.9%**  
of viruses, fungi  
& bacteria

- ✓ Anti-viral
- ✓ Anti-bacterial
- ✓ Sporicidal
- ✓ Anti-fungal
- ✓ 100% Natural
- ✓ Non-toxic
- ✓ Hypoallergenic
- ✓ Non-corrosive



Dr Anjana Bhana Aesthetic and Dental Practice

2 July · 🌐

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In May 2020, Thoclor labs received a report from an FDA and EPA- certified laboratory in the US that our Hypochlorous acid was proven, in antiviral tests, to be completely viricidal against the human coronavirus.

The tests were conducted under standard BS EN 14476 (chemical disinfectants and antiseptics test for the evaluation of viricidal activity in the medical area) and found that a 2 minute exposure time of the virus to Thoclor Labs Hypochlorous acid completely inactivated the human coronavirus.

It is interesting to note that during these tests done by the US laboratory, the cell cultures that were used to demonstrate the efficacy of Thoclor Labs Hypochlorous acid against the coronavirus, were living human lung cells.

This is the world's oldest disinfectant Hypochlorous Acid made by our very own Neutrophils (white blood cells). Since my little dude could sit up he would love getting this spritzed in his face and he would always get his mouth spritzed. Now it has become a game –he runs away but runs back hoping to actually get spritzed, and by chance we noticed all the sanitizing that he was copying too.

I use my GF spray after I cleanse as a toner, after sun exposure, after I cook as well as after patients on my face, nose, eyes and mouth. (It has been dubbed mom's magic spray).

I'm also glad to have found HOCL Anolyte which is great for surface disinfection, non-mucosal surfaces and fogging (I also use it for washing vegetables and preserving flower arrangements). I use it in every single treatment as additional disinfection alongside Biotaine blend as well as post treatment. It's used in Agriculture, water purification, wound and eye care.

Besides using this - we also have Povidine, Hydrogen Peroxide, 70% Alcohol, pure chlorhexidine, Alcohol and Chlorhexidine Blend, Antibacterial handwash and normal handwashing soap on hand that we use as well.

I find HOCL the most versatile and comfortable!

#DrAnjanaBhanaAesthetics

#HOCL #DrAnjanaBhana

[https://www.facebook.com/story.php?story\\_fbid=304444832298357&id=242473685828833](https://www.facebook.com/story.php?story_fbid=304444832298357&id=242473685828833)



HOCL - the Safe Sanitizer for [Dental] Office & Home

<https://www.youtube.com/watch?v=SCT1gJvzqkQ>



Enviromerica's COVID 19 Patient Safety Protocols for Dental Practices (<https://www.youtube.com/watch?v=gJC-CBgAbFU>)

## What's *Biobrume*?

- It is a uniquely ecologically friendly, safe disinfectant, cleaner and sanitizer, available pre-formulated for specific use cases or as a *concentrate*.
- It's core component, hypochlorous acid (HOCl), is a strong oxidant that's an important part of the immune system of humans and animals
- HOCl made by electrolyzing water and salt
- It's a 100x more effective disinfectant than sodium hypochlorite (bleach)
- It's non-reactive to materials and reverts to a saline solution after use
- HOCl is used in multiple industries, including gyms, salons, schools, hospitals, factories, clean rooms, etc., as disinfectant, sanitizer, cleaner, etc.

Solution	EPA Standards			Features							Microbial Effects					Material Safety			
	Disinfection	Sterilization	Detergent	Toxicity	Human/Pet safe	pH Value	Residual Chems	Taste, smell	Deodorizer	Active in Presence of Organic substances	Hydrophilic/Covid-19	Lipophilic	Pseudomonas	TB Bacteria	Endospores	Endoscope	Electroplated items	Rubber and plastic	Metals
biobrumе/HOCL	●	●	●	○	●	7.0	○	○	●	○	●	●	●	●	●	●	●	●	●
Alcohol-based	○	○	○	○	●	7.0	○	○	○	○	●	●	●	○	●	○	●	○	●
Chlorine, Chloride	●	○	○	●	○	11.0	●	●	○	●	●	●	●	●	○	○	○	○	●
Iodine	●	○	○	●	○	3.5	●	○	○	○	●	●	●	●	○	○	○	○	○
Phenolic	●	○	○	●	○	5.5	●	●	○	○	○	●	●	●	○	○	●	○	○
Acetic Acid	○	○	○	●	○	3.0	○	●	○	●	○	○	○	○	○	○	●	●	○
Formaldehyde	●	○	○	●	○	3.5	●	●	○	●	●	●	●	●	○	○	●	●	○
Symbol    ● Yes    ○ No                      Colour Coding <div>Good</div> <div>Bad</div>																			

## Dilution recommendation for Biobrumе SUPREME

*Only use RO/demineralized water as additive*

Sanitizer	Add 3 parts water	Deodorizer/Fogger	Add 5 parts water
Fruits, veg & meat	Add 7 parts water	Furniture, closets	Add 6 parts water
Sensitive spaces	Add 2.5 parts water	Bedding, towels	Add 4 parts water

The cleaning staff loves our product because one product is used everywhere, they feel safe and don't need special safety equipment when applying it.

Because Biobrumе is so safe, without any toxic, organic or other chemicals, and even when inhaled, our product can be used even in crowded common spaces.

**FDA/CE/EPA/WHO approved chemical and formulation**

## Other main features

- *Ultra gentle, non-toxic, without fumes or harmful chemicals*
- *Mildly acidic (pH of 6-6.75), safe on all materials and surfaces!*
- Use on cotton, synthetic and other natural fabrics, leather, wood, ceramic, plastics, stone, metal, etc., no residue!
- Great as a sanitizer, disinfectant or a cleaner
- **Hypoallergenic** – contains no VOC or other organic compounds, alcohol, hydrochloric acid, smell, toxicity or chemical residue
- **Completely kids-safe** – active ingredient is HOCL, which is what our body's immune system naturally produces to fight infections
- **Multi-purpose** – sanitize, disinfect, clean wounds, mouthwash germicide, on pimples and rashes, fungal infections
- **Food safety** – wash fruits, veggies and meat, no post-wash rinse

Strong sterilizing power on 99.99% of germs



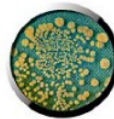
Coliform



Escherichia  
coli0157



Staphylococcus  
aureus



Salmonella



Enterovirus  
vibrio

30 seconds later...



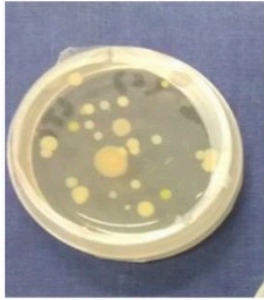
Korea Research Institute of Chemical Technology

# Biobruma Handwash Test

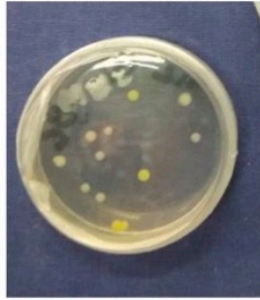


Tap water hand wash

**Volunteer 1**

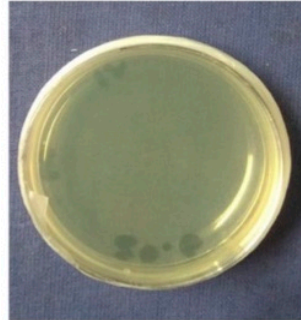


**Volunteer 2**

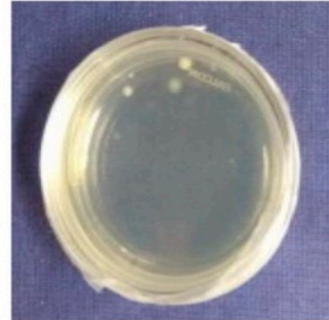


**Volunteer 3**

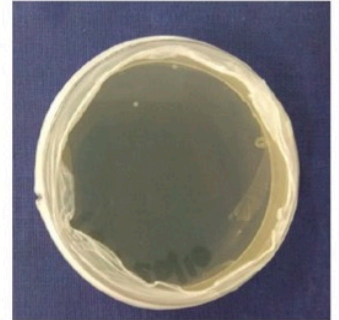
Tap water wash



**Volunteer 1**



**Volunteer 2**



**Volunteer 3**

Biobruma hand wash



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