Micrylium
PROFESSIONAL DISINFECTION

- Detergent
- Non-Toxic
- Enzymatic Cleaner

MADE IN
FABRIQUÉ AU
CANADA

BioVAC

CONCENTRATED
EVACUATION CLEANER

BioVAC is an ultra-concentrated controlled foam device detergent used to clean suction, evacuation systems, cuspidors, pumice trays and plaster traps that encounter body fluids in clinical situations. This unique formula contains four enzymes that rapidly break down bioburden. The formula has a special low foaming surfactant blend that ensures excellent cleaning action without overflow. With a lower pH potential and lubricating additives, pumps and impellers are protected from corrosion and wear.

DIN 02209659

BACTERICIDAL & FUNGICIDAL

FASTER

2x Concentrated
1:40 Dilution liquid mixes instantly. Easy storage with concentrated formula.

Daily Usage
BioVAC is indicated as a daily use product, however, it may be used after each patient if concerns exist.

Contact Time
Effective against Bacterial and Fungal pathogens with a 5 minute contact time.

SAFER

Enzymatic Cleaner
Amylase, Lipase, Cellulase and Protease enzymes destroy body fluids and proteins rapidly. Special chelating agents trap heavy metals such as Mercury.

Non-Corrosive
Will not corrode metals, especially kind to brass, all types of plumbing materials, stainless steel and aluminum.

Safe on Users
Protects staff from tubing generated aerosols of toxic chemicals and cross-contamination when solutions are circulating through traps or filters.

KINDER

Environmentally Friendly
All products are made with plant-based biodegradable ingredients

Certified Biodegradable
All ingredients are certified USP Pharma grade and/or food grade quality

Complies with Regulations
Contains natural source biodegradable surfactants and complies with all sewer regulations

CONCENTRATED
EVACUATION CLEANER

SAFER ENVIRONMENT

Odours from system traps are caused by bio-burden bacterial growth. Reduce the bacterial count by flushing with BioVAC on a regular basis. This will reduce the risk of absorbing harmful/toxic fumes and make for a safer work environment.

SUCK-BACK

Suck-back occurs when saliva ejector sticks to the inside of the mouth. This causes the potential risk of evacuation back-flow into the patient's mouth. Using BioVAC regularly to clean your suction is a necessary protocol.

CONTROLLED FOAMING

BioVAC is a "controlled-foam" product. Excessive foaming will not occur when directions are followed. It is **non-corrosive** and will not damage suction equipment. For use in circulating foot baths and tubing, use same dilution and maintain contact time (More than 5 minutes). Use leftover solution in drains or plaster sinks to reduce unpleasant odours. BioVAC remains effective after mixing and can be stores for up to 60 days.

HOW TO USE

MEDICAL/DENTAL SUCTION SYSTEMS STEP-BY-STEP

1. 
For suction and pump systems, dispense 50mL of *BioVAC*™ into a measuring cup. Add 2 L of warm water in a mixing container (1 part *BioVAC*™ to 40 parts water).

2. 
Put high volume evacuation and saliva ejector into a cup (250mL) of diluted *BioVAC*™ (use only one cup of solution per line).

3. 
Turn on for 2-3 seconds (draw maximum 250mL of solution through each system line), then turn off while tip is submerged in the liquid. Let stand overnight.

4. 

BioVAC™ is recommended to be used after each patient.

PUMP-CIRCULATION SYSTEM STEP-BY-STEP

1. 
Dilution Ratio 1:100
Dilute 10mL of *BioVAC*™ for every litre of water to clean and refresh pump/bath systems in Agriculture.

2. 
Dilution Ratio 1:100
For use in circulating foot baths & tubing use 10mL of *BioVAC*™ for every litre of water and circulate for at least 5 minutes.

PRODUCT SPECIFICATION DATA

Item Number	Product Description	Packaging
03-VAC2-001	BioVAC 1L Bag-in-Box	1 Box
03-VAC2-005	BioVAC 5L Bag-in-Box	1 Box

CUSTOMER REVIEWS

"We use BioVAC after each patient. This ensures our suction system is always safe for our patients in the event there is ever suck-back during a procedure. Our patient's safety is our priority and BioVAC is the only product we trust."

Sarah J., Woodlawn Dental, British Columbia, Canada

KINDER SAFER FASTER

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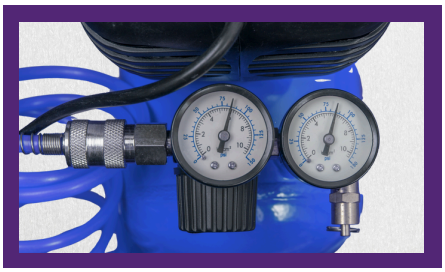
CONCENTRATED
EVACUATION CLEANER

EVAC SOLUTION

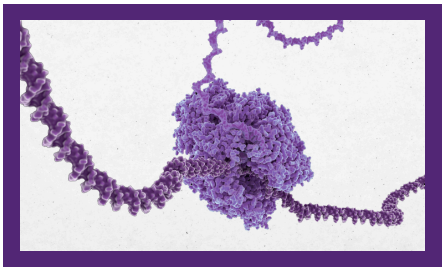


Recycling is not always the safest concept when it comes to dental air. Often evacuation system drains are in small, closed rooms that are shared with an air compressor. The compressor draws air from the same area that has a pathogenic discharge from each patient. The compressor then returns this contaminated air to the clinic handpieces, syringes and scalers. Using BioVAC ensures the evacuated air is clean.

CLOSED-FLOW SYSTEMS

Impellers in closed-flow systems that are clogged with corrosion causing gross debris that impede functionality can be effectively cleaned with BioVAC. Recommended by leading Amalgam Separator manufacturers to reduce effluent.

COLOUR CHANGE



Depending on the storage conditions, the enzymes used to make BioVAC can consume the natural colouring from purple to clear. Our studies show that this phenomena has no effect on the antimicrobial ability of BioVAC. It is only an aesthetic change.

EFFECTIVE CONTACT TIME

Pathogen Type	Strain	Effective Contact Time
Bacteria	Salmonella choleraesuis (ATCC 10708)	5 minutes
Bacteria	Pseudomonas aeruginosa (ATCC 15442)	5 minutes
Bacteria	Staphylococcus aureus (ATCC 6538)	5 minutes
Bacteria	Escherichia coli (NCTC 10541) (10% soil)	5 minutes
Fungi	Trichophyton mentagrophytes (ATCC 9533)	5 minutes
Fungi	Trichophyton menghini (ATCC 12106) (10% soil)	5 minutes

Note: Initial Formulation Batch (aged 60 days) tested on 60 replicates as indicated in AOAC method 955.15 for confidence level of 95%.
Each Production Batch is tested with 10 replicates (0% failure) to monitor ongoing quality control specifications for each product.
* Testing performed at Nucro-Technics Laboratory, 2000 Ellesmere Road, Unit 16 Scarborough, Ontario
All other tests performed at Micrylium Laboratories, 117 Dolomite Drive, North York, Ontario

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Contact your Authorized Dealer to order.

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