



UNITED'S GOAL ZERO HARM OPERATING ROOMS • LABORATORIES • PATHOLOGY

- **Eradicate Drain Blockages Caused by Operating Room Suction System Discharge**
- **Prevent Harmful Exposure to Pathogens and Bio-hazard Fluids in Drains**
- **Safeguard Medical Teams and Cleaning Staff**

United 722SF

BIOSPOR-E

Maintenance Treatment System for Operating Room, Laboratory, Autopsy and Pathology Drains

Earth Smart® formulation provides natural beneficial bacteria and enzymes to control organic and human proteins in drains.

BIOSPOR-E – Operating Room Biofilm in Drains

Perfect Blend of • Multiple Bacterial Strains • Enzymes

ZERO HARM

Packaged for use with United's SureFlo Dosing System:

- Provides a Sealed System (No Spills)
- Limited Human Contact
- Automatic 24-hour Dosing
- Small Footprint
- Free Installation & Service





Ways to control harmful biofilms: prevention, inhibition, and eradication

White Paper: Published on line: 28 Dec 2020

Beneficial Bacteria and Enzyme Blends

used to prevent, degrade, inhibit and eradicate drain biofilms.

See White paper Abstract at www.unitedlabsmdsupply.com

Frontiers In Microbiology White Paper:

BioFilms and Their Regulating Approaches May 2020.

To disperse bacterial biofilms, it's essential to destroy the structural components of EPS ([Flemming and Wingender, 2010](#); [Wei and Ma, 2013](#)). Thus, degradation of the EPS matrix can be effective method to interfere with bacterial biofilm formation.

EPS matrix-degrading enzymes, including deoxyribonuclease I (DNase I), restriction endonucleases, glycoside hydrolases, proteases, and dispersin B, can inhibit bacterial biofilm formation and facilitate dispersion of established biofilm colonies ([Kaplan, 2014](#)). As soon as the biofilm matrix is enzymatically degraded, the bacterial cells are then released as planktonic cells which are easily eliminated by various antibacterial agents, disinfectants, phages, or immune systems ([Kaplan, 2014](#); [Parrino et al., 2019](#)).

BIOFILM in DRAINS

- Bodily Fluids and Blood Serious Health Hazards
- Drain Blockages Result in High Cleanup and Repair Cost – Labor, Time and Material Damages

BIOSPOR-E Specialized Blend of Beneficial Bacteria and Enzymes Targeting Drain BioFilm

Degrades, Eradicates and Prevents Drain Biofilms

SureFlo Dosing System:

- Automatically Doses Drains 24/7
- Limited Human Contact with Drain Biofilm
- Keeps Drains Free Flowing

