



SelenBio Chemical, Inc.

Commercialization of Innovative SELDOX® Antimicrobial Technology

In

Paints, Coatings & Films

<https://www.selenbiochemical.com/>

The Problem

BACTERIA - FUNGI - VIRUSES - MOLD - YEASTS - BIOFILM

Germ in our homes, workplaces and medical facilities cost industry
trillions of dollars each year



3 Trillion
GDP
Annual Loss

Estimated burden of
Antimicrobial Resistance
(AMR)

Source ncbi.nlm.nih.gov

Current Threats

Covid-19 pandemic, over 180.5 million cases and 3.9 million deaths to date worldwide with trillions of lost revenue

Candida Auris, the super bug is now listed by the CDC as 1 of 3 urgent antibiotic resistant fungal threats

Noro Virus, 700 Million disease cases, over 200,000 deaths and \$60 Billion plus in annual associated costs

AMR estimates could cost US \$100 trillion between now and 2050, with annual death toll reaching 10 million over that period



The Solution



Catalytic

Safe

*Non-
Leaching*

*Highly
Effective*



Economical

SELDOX[®] Inhibition

Successful outcomes have been achieved against the following:

Gram Positive

- Staphylococcus aureus
- Streptococcus salivarius
- Enterococcus faecalis
- Streptococcus mutans
- Streptococcus pneumoniae
- Staphylococcus epidermidis
- Enterococcus casseliflavus

Gram Negative

- Pseudomonas aeruginosa
- Serratia marcescens
- Escherichia coli
- Fusobacterium nucleatum

Mold

- Trichophyton mentagrophytes
- Aspergillus brasiliensis
- Aureobasidium pullulans

Yeast

- Candida albicans
- Malessezia furfur
- Saccharomyces cerevisiae

The Technology

SELDOX® ... SELEnium-reDUCTION-OXidation reaction

Protect and Prevent

Selenium-Based Protection Against Bacteria, Viruses, Molds, Yeasts and Biofilm

- **Proprietary** compound provides covalently-bound, permanent catalytic generation of antimicrobial superoxide radicals
- Provides targeted, **non-leaching** protection
- **EPA-approved** SELDOX® in paints, coatings and films
- **FDA-approved** SELDOX® proven in dental and veterinary healthcare applications

UNTREATED CONTROL

LABORATORY TESTING WITHOUT AND WITH SELDOX

SELDOX® TREATED SURFACE

Potential Partners or licensees



ADVANCED MATERIALS



ARCHITECTURAL



MARINE INDUSTRIAL



MEDICAL AND AEROSPACE



Partnership

How we bring our revolutionary technology to the world



- With strategic partners where we offer improved consumer product values
- Patented advantage & value driven proposition
- We will be the sole and exclusive provider of SELDOX[®] compound and receive licensing compensation on products in the partnership
- Market/Product exclusivity will be explored as an option for dedicated partners

Company Strategy



Upon securing adequate funding the company plans to obtain an EPA 152.25 exception for SELDOX[®] inclusion in paints, coatings and films. Estimates to successful completion of this process will be 6-8 months

Simultaneous with securing EPA registration, SBC intends on developing and testing processes with identified companies in order to perfect coatings formulations which will incorporate its SELDOX[®] compound and exhibit effective antimicrobial properties

SBC will then be able to offer both direct-sales in response to attractive large volume contracting and solicit sublicensing opportunities that will allow it to scale at a more rapid rate

The Team



Brent Fisher
CEO

Entrepreneur
30 Years Start up
experience



Kenny Gallagher
CFO

30 years of startup, growth,
and C-level executive
management experience



Ted Reid, PhD
Chief Science Officer

Co inventor of Seldox®
technology. Professor,
Texas Tech University
Health Science Center



SELENBIO

CHEMICAL

Antimicrobial Coatings

Protecting what's important.