



QUICKSILVER
SCIENTIFIC®

Advanced PushCatch® Detox System

MOLD



A TARGETED DETOX FOR MOLD

Mold toxicity is one of the most insidious and difficult-to-diagnose conditions in modern medicine. From unexplained fatigue and brain fog to respiratory issues and inflammation, the impact of mold exposure and retained mycotoxins can be profound. Our environment has changed—and with it, the resilience of our detox systems is being tested like never before.

At Quicksilver Scientific, we've spent years researching and refining a dynamic model for detoxification that goes beyond simplistic "cleansing." Our patented **PushCatch® Detox System** is designed to optimize drainage, activate detoxification pathways, and help escort toxins out of the body using state-of-the-art liposomal and binder technologies.

This **Advanced PushCatch® Detox System MOLD** protocol leverages our foundational model—tailored to the unique challenges mold patients face. You'll find support for your liver, kidneys, mitochondria, nasal passages, immune system, and brain—all in one convenient system.

It is our sincere hope that this protocol brings clarity, momentum, and healing to your journey.



- Dr. Christopher Shade
Founder & CEO, Quicksilver Scientific

WHY DETOX?

Your body is equipped with a natural detoxification system—primarily involving the liver, kidneys, lymphatic system, and gut—to neutralize and eliminate harmful substances. Detoxification is not a one-time event; it's a continuous process vital for health and longevity.

Over time, this system can become overwhelmed by the volume of contaminants we are exposed to daily which fall broadly into two categories:

ENDOGENOUS TOXINS - *produced by the body*

The body generates internal waste products that must be cleared regularly. These include:

- **Endotoxins** – Fragments from bacteria that can leak from the gut into the bloodstream, triggering inflammation.
- **Hormones** – Once used, hormones like estrogen must be broken down and cleared to maintain balance.
- **Metabolic By-Products** – Everyday bodily processes generate waste, such as carbon dioxide, urea, and ammonia, which must be properly excreted.

EXOGENOUS TOXINS - *environmental + external*

These come from daily exposures—often invisible and unavoidable—and include:

- **Heavy Metals** – Such as mercury, lead, arsenic, and cadmium, found in food, water, and air.
- **Mold Toxins (Mycotoxins)** – From indoor mold exposure or contaminated foods.
- **Plasticizers & Chemicals** – Like BPA and phthalates, found in plastics, cosmetics, and packaging.
- **Medications & Drugs** – Pharmaceuticals, whether prescribed or over-the-counter, must be metabolized and cleared by the liver.

WHEN THE BURDEN EXCEEDS THE BODY'S CAPACITY

If toxin exposure outpaces your body's ability to eliminate them, these substances begin to accumulate in cells, tissues, and fat stores. This toxic burden can:

- Deplete antioxidants like glutathione
- Impair mitochondrial function (your cells' energy centers)
- Disrupt hormonal and immune balance

Supporting your detox pathways through targeted supplementation can help restore balance, enhance resilience, and get you back on track.



UNDERSTANDING MOLD AND MYCOTOXIN TOXICITY

WHAT IS MOLD TOXICITY?

Mold toxicity results from exposure to mold spores and, more critically, mycotoxins—the toxic metabolites molds release. These compounds can infiltrate the body through inhalation, ingestion, or skin contact and persist long after initial exposure, particularly in individuals with compromised detox pathways or HLA-DR genetic variants.

HLA genes act like your body's ID system for the immune system. They give your cells "name tags" that help your defenses tell the difference between what belongs to you and what's an invader. There are many HLA gene types, and some variants are linked to how well your body can recognize and clear mold toxins. Depending on which ones you carry, can help determine your vulnerability to mold and mycotoxin toxicity.

COMMON HIDDEN SOURCES OF MOLD

- Water-damaged drywall or ceilings
- HVAC systems or ductwork
- Attics, basements, crawlspaces
- Behind or under cabinetry
- Cross-contaminated belongings (books, clothing, upholstered furniture)
- C-PAP
- On demand / individual serving coffee machines
- Humidifiers
- Hobbies: brewmaster, sommelier, antiques, mushroom grower, rare book collector

COMMON SYMPTOMS OF MOLD & MYCOTOXIN EXPOSURE:

01. Cognitive dysfunction (brain fog, memory issues)
02. Fatigue
03. Headaches
04. Sinus congestion and recurrent infections
05. Hormonal imbalances
06. Histamine intolerance
07. Increased sensitivity to chemicals and smells
08. Eye, ear, nose, and/or throat irritation
09. Lightheadedness, irregular heartbeat/palpitations, low/reactive blood pressure
10. Gastrointestinal symptoms
11. Nervous system dysregulation (anxiousness, brain fog, sleep and mood disturbances, dizziness, balance problems, internal vibrations, low stress resilience, digestive issues, etc.)
12. Dermatologic symptoms (sensitive skin, rashes, frequent static shocks, recurrent fungal infections)
13. Urinary tract symptoms

ADVANCED PUSHCATCH® DETOX SYSTEM **MOLD**

Advanced PushCatch® Detox System MOLD is a comprehensive, targeted protocol designed to support the body's natural detoxification processes, clear mold-related irritants, and restore optimal cellular function.

Dr. Shade's Liver Sauce® supports the mobilization and transport of stored and circulating toxins using powerful nutraceuticals, bitter herbs, and plant compounds. **Ergo-Thione+** offers synergistic antioxidant defense and immune stabilization, while **Dr. Shade's Kidney Care** helps nourish kidneys and stimulate lymphatic drainage for toxin clearance.

Microb-Manager Para-Max™ delivers a broad-spectrum blend of botanicals to disrupt biofilms and address microbial imbalances, while **Quinton® Action Plus Nasal Spray** supports the clearing and resilience of sinuses which is a common mycotoxin reservoir. **NAD+ Platinum®** supports the repair and regeneration of the mitochondria – cellular energy centers that can become damaged with mold and mycotoxin exposure.

LipoCalm® provides PharmaGABA and botanicals that support nervous system regulation and relaxation.

A core aspect of mold detoxification is not only the mobilization of toxins but also supporting their removal from the body. **Ultra Binder®**, Quicksilver's universal toxin binder aids the binding and removal of a wide range of mold-related toxins in the GI tract, preventing them from recirculation.

This multi-pronged approach supports the clearance of toxins while also supporting microbial balance and reparation of the body's cellular energy systems for comprehensive recovery.

INSIDE THE PROTOCOL



Dr. Shade's Liver Sauce®
QTY 2 - 100 mL Bottles



Ergo-Thione+
QTY 2 - 100 mL Bottles



NAD+ Platinum®
QTY 2 - 100 mL Bottles



Dr. Shade's Kidney Care
QTY 2 - 100 mL Bottles



Microb-Manager Para-Max™
QTY 1 - 60 capsules



Quinton® Action Plus Nasal Spray
QTY 1 - 100 mL Bottle



Ultra Binder® Powder
QTY 2 - 30- 1 tsp servings



Ultra Binder® Capsules
QTY 2 - 120 capsules



LipoCalm®
QTY 2 - 50 mL Bottles

THE PUSHCATCH® SYSTEM

1. HOW IT WORKS

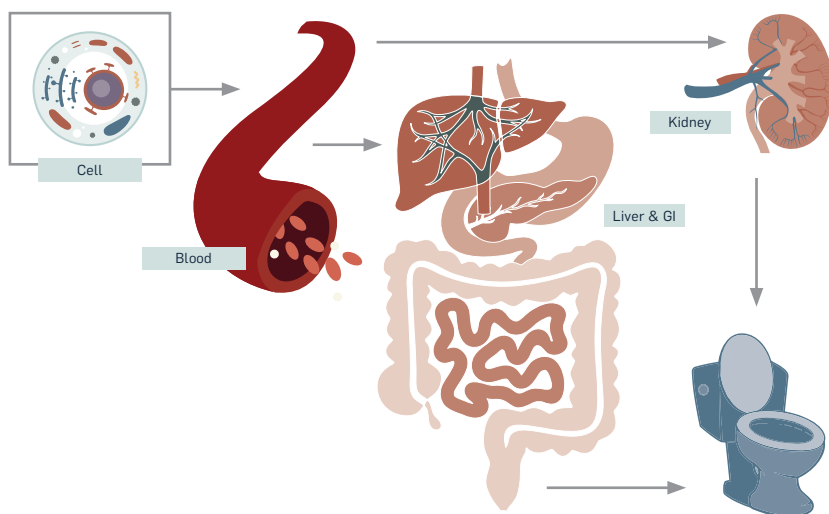
Poorly designed detox protocols can cause toxins to recirculate throughout the body..

The patented **PushCatch®** model of detoxification was developed by Quicksilver Scientific and Dr. Shade to work with the body's natural detoxification processes. It encompasses all three phases of detoxification: activation, conjugation, and the filtration and binding of toxins in the GI tract.

PHASE I & II, "PUSH": Potent nutrients and bitter phytochemicals help activate critical biochemical pathways such as Nrf2 to "push" toxins from the cell into the blood, liver, and kidneys.*

PHASE III, "CATCH": Healthy bile flow supports the movement of toxins through the liver and kidneys for excretion. Binding agents such as charcoal and bentonite clay intercept, or "catch," toxins in the intestine for removal, helping minimize recirculation.*

THE PUSHCATCH® MODEL OF DETOXIFICATION



2. HIGHLY BIOAVAILABLE PRODUCTS

Quicksilver Scientific has been a cutting-edge leader in the development of practitioner-grade detoxification products and protocols for over a decade, specializing in highly bioavailable dietary supplements using proprietary nanoparticle delivery technology. Nanoparticle delivery, also more commonly referred to as liposomal delivery, allows for the efficient cellular absorption of ingredients, bypassing digestion and first-pass metabolism.

3. BIOSYNCHRONOUS-ACTIVATION®

Our delivery technology enhances the bioavailability, absorption, and timely delivery of ingredients. When removing toxins from the body, this delivery * timing creates a cohesive activation of detoxification pathways and is what we call **Biosynchronous-Activation®**. For example, Dr. Shade's Liver Sauce® combines the powerful detoxification compounds R-lipoic acid, milk thistle, DIM, quercetin, luteolin, and the bitter herbs, dandelion, solidago, gentian, and myrrh in a nanoparticle for rapid and simultaneous cellular absorption of all ingredients.* This sets the stage for an efficient, dependable cycle of detox.

Traditional detoxification programs that use capsules or powders are unable to cohesively activate detoxification pathways due to the slow and variable metabolism of ingredients. This can result in a patchwork detox cycle, increasing the risk for redistribution of toxins, creating unwanted detox symptoms and diminished outcomes.

PATENTED PROTOCOL

The PushCatch® 2-step system (Liver Sauce® and Ultra Binder®) is a patented method of treatment for proper detoxification.

US Patent Numbers: 11,391,702; 12,121,558



ADVANCED PUSHCATCH® DETOX SYSTEM **MOLD** PROTOCOLS

There are two protocol options to choose from when using **Advanced PushCatch® Detox System MOLD**.

7-WEEK TITRATION SCHEDULE

The first is a **7-week titration protocol** that supports sensitive systems and slowly increases dosing of products throughout the 7 weeks. This is a great place to start if you are unsure of your body's capacity to detox or know that starting slowly is simply the best thing for you.

4-WEEK FLAT PROTOCOL

The second protocol is a **4-week flat** protocol where the product dosing is fixed throughout the entire 4 weeks. The recommended dosing in this protocol is at a higher dose supporting a more aggressive approach.

As mold detoxification can take several months, the flat protocol is meant to be repeated based on guidance from your practitioner – and if sensitive, start with the 7-week titration protocol to acclimate your system before moving on to the flat 4-week protocol.

7-WEEK TITRATION PROTOCOL

PRODUCT CYCLING: 5 days on, 2 days off

PROTOCOL LENGTH: 35 active days

SCHEDULE: Weeks 1-2

WEEKS 1-2				
PRODUCT	A.M.	30 MIN. LATER	STARTING WK 2 MID-DAY	EVENING/ BEDTIME
Dr. Shade's Liver Sauce®	1/2 tsp			
Ergo-Thione+	1/2 tsp			
Dr. Shade's Kidney Care	1/2 tsp			
NAD+ Platinum®	1/2 tsp			
Microb-Manager Para-Max™	1 capsule			
Ultra Binder® Powder		Mix 1/2 tsp in 8 oz. filtered water		
Ultra Binder® Capsules			4 caps with water	
Quinton® Action Plus Nasal Spray	2-3 Sprays per nostril			
LipoCalm®	2 pumps			2 pumps
*Make sure to drink adequate water when taking charcoal-containing supplements				

INSTRUCTIONS:

- Take 1/2 tsp each of **Dr. Shade's Liver Sauce®**, **Dr. Shade's Kidney Care**, **Ergo-Thione+**, and **NAD+ Platinum®**, and 1 capsule of **Microb-Manager Para-Max™** once daily. Hold each liquid dose in the mouth for 30-90 seconds before swallowing. Taking on an empty stomach is recommended.
- Mix 1/2 tsp **Ultra Binder®** in 8 ounces of filtered water 30 minutes after taking the liquid products. Wait another 30 minutes before eating.
- Starting week 2, take 4 **Ultra Binder®** capsules at mid-day between meals. Wait 30 minutes before eating.
- Clear nasal passages by using 2-3 sprays of **Quinton® Action Plus Nasal Spray** in each nostril each morning.
- Take 2 pumps of **Lipocalm**, twice daily, a dose in the morning and in the evening. Can also do one pump in the morning, one in the afternoon, and 2 pumps at bedtime. NOTE: Take **Lipocalm** all seven days of the week

IF TAKING MEDICATIONS, PLEASE READ: Because Ultra Binder® contains activated charcoal and other binding substances that may affect the absorption of medications, it should be taken at least two hours before or after prescription medications.

*We recommend working with a qualified practitioner for guidance.



7-WEEK TITRATION PROTOCOL

PRODUCT CYCLING: 5 days on, 2 days off

PROTOCOL LENGTH: 35 days

SCHEDULE: Weeks 3-4

WEEKS 3-4					
PRODUCT	A.M.	30 MIN. LATER	P.M.	30 MIN. LATER	MID-DAY
Dr. Shade's Liver Sauce®	½ tsp		½ tsp		
Ergo-Thione+	½ tsp		½ tsp		
Dr. Shade's Kidney Care	½ tsp		½ tsp		
NAD+ Platinum®	½ tsp		½ tsp		
Microb-Manager Para-Max™	1 capsule				
Ultra Binder® Powder		Mix ½ tsp in 8 oz. filtered water		Mix ½ tsp in 8 oz. filtered water	
Ultra Binder® Capsules					4 caps with water
Quinton® Action Plus Nasal Spray	2-3 Sprays per nostril				
LipoCalm®	2 pumps		2 pumps		
*Make sure to drink adequate water when taking charcoal-containing supplements					

INSTRUCTIONS:

- Take 1/2 tsp each of **Dr. Shade's Liver Sauce®**, **Dr. Shade's Kidney Care**, **Ergo-Thione+**, and **NAD+ Platinum®** and 1 capsule **Microb-Manager Para-Max™** twice daily, and 1 capsule of **Microb-Manager Para-Max** once daily. Hold each liquid dose in the mouth for 30-90 seconds before swallowing. Taking on an empty stomach is recommended.
 - Mix ½ tsp **Ultra Binder®** in 8 ounces of filtered water 30 minutes after taking AM & PM products. Wait another 30 minutes before eating.
 - Take 4 capsules of **Ultra Binder®** capsules at mid-day between meals. Wait 30 minutes before eating.
 - Clear nasal passages by using 2-3 sprays of **Quinton® Action Plus Nasal Spray** in each nostril each morning.
 - Take 2 pumps of **Lipocalm**, twice daily, a dose in the morning and in the evening.
- NOTE: Take **Lipocalm** all seven days of the week

IF TAKING MEDICATIONS, PLEASE READ: Because **Ultra Binder®** contains activated charcoal and other binding substances that may affect the absorption of medications, it should be taken at least two hours before or after prescription medications. *We recommend working with a qualified practitioner for guidance.

SCHEDULE: Weeks 5-6

WEEKS 5-6					
PRODUCT	A.M.	30 MIN. LATER	P.M.	30 MIN. LATER	MID-DAY
Dr. Shade's Liver Sauce®	½ tsp		1 tsp		
Ergo-Thione+	½ tsp		1 tsp		
Dr. Shade's Kidney Care	½ tsp		1 tsp		
NAD+ Platinum®	½ tsp		1 tsp		
Microb-Manager Para-Max™	1 capsule		1 capsule		
Ultra Binder® Powder		Mix ½ tsp in 8 oz. filtered water		Mix ½ tsp in 8 oz. filtered water	
Ultra Binder® Capsules					4 caps with water
Quinton® Action Plus Nasal Spray	2-3 Sprays per nostril				
LipoCalm®	2 pumps		2 pumps		
*Make sure to drink adequate water when taking charcoal-containing supplements					

INSTRUCTIONS:

- Take 1/2 tsp each of **Dr. Shade's Liver Sauce**, **Dr. Shade's Kidney Care**, **Ergo-Thione+**, and **NAD Platinum** for AM dose; take 1 tsp of each for PM dose. Take 1 capsule **Microb-Manager Para-Max** twice daily. Hold each liquid dose in the mouth for 30-90 seconds before swallowing. Taking on an empty stomach is recommended.
 - Mix ½ tsp **Ultra Binder®** in 8 ounces of filtered water 30 minutes after taking AM & PM products. Wait another 30 minutes before eating.
 - Take 4 capsules of **Ultra Binder®** capsules at mid-day between meals. Wait 30 minutes before eating.
 - Clear nasal passages by using 2-3 sprays of **Quinton® Action Plus Nasal Spray** in each nostril each morning.
 - Take 2 pumps of **Lipocalm**, twice daily, a dose in the morning and in the evening.
- NOTE: Take **Lipocalm** all seven days of the week

7-WEEK TITRATION PROTOCOL

PROTOCOL LENGTH: 35 days

SCHEDULE: Week 7

WEEK 7					
PRODUCT	A.M.	30 MIN. LATER	P.M.	30 MIN. LATER	MID-DAY
Dr. Shade's Liver Sauce®	1 tsp		1 tsp		
Ergo-Thione+	1 tsp		1 tsp		
Dr. Shade's Kidney Care	1 tsp		1 tsp		
NAD+ Platinum®	1 tsp		1 tsp		
Microb-Manager Para-Max™	1 capsule		1 capsule		
Ultra Binder® Powder		Mix ½ tsp in 8 oz. filtered water		Mix ½ tsp in 8 oz. filtered water	
Ultra Binder® Capsules					4 caps with water
Quinton® Action Plus Nasal Spray	2-3 Sprays per nostril				
LipoCalm®	2 pumps		2 pumps		

*Make sure to drink adequate water when taking charcoal-containing supplements

INSTRUCTIONS:

- Take 1 tsp each of **Dr. Shade's Liver Sauce®**, **Dr. Shade's Kidney Care**, **Ergo-Thione+**, and **NAD+ Platinum®**, and 1 capsule **Microb-Manager Para-Max™** twice daily. Hold each liquid dose in the mouth for 30-90 seconds before swallowing. Taking on an empty stomach is recommended.
- Mix ½ tsp **Ultra Binder®** in 8 ounces of filtered water 30 minutes after taking AM & PM products. Wait another 30 minutes before eating.
- Take 4 capsules of **Ultra Binder®** capsules at mid-day between meals. Wait 30 minutes before eating.
- Clear nasal passages by using 2-3 sprays of **Quinton® Action Plus Nasal Spray** in each nostril each morning.
- Upon completion of the 7-week titration protocol, advance to the 4-week flat protocol, or determine next steps as directed by your healthcare practitioner.
- Take 2 pumps of **Lipocalm**, twice daily, a dose in the morning and in the evening.

NOTE: Take **Lipocalm** all seven days of the week

IF TAKING MEDICATIONS, PLEASE READ: Because **Ultra Binder®** contains activated charcoal and other binding substances that may affect the absorption of medications, it should be taken at least two hours before or after prescription medications.

*We recommend working with a qualified practitioner for guidance.



4-WEEK FLAT MOLD PROTOCOL

PRODUCT CYCLING: 5 days on, 2 days off (Take the mid-day Ultra Binder® capsule dose all 7 days)

PROTOCOL LENGTH: 20 active days

4-WEEK FLAT PROTOCOL					
PRODUCT	A.M.	30 MIN. LATER	P.M.	30 MIN. LATER	EVERY DAY
Dr. Shade's Liver Sauce*	1 tsp		1 tsp		
Ergo-Thione+	1 tsp		1 tsp		
Dr. Shade's Kidney Care	1 tsp		1 tsp		
NAD+ Platinum*	1 tsp		1 tsp		
Microb-Manager Para-Max™	1 capsule		1 capsule		
Ultra Binder Powder		Mix 1 tsp in 8 oz. filtered water		Mix 1 tsp in 8 oz. filtered water	
Ultra Binder Capsules					4 caps with water
Quinton® Action Plus Nasal Spray	2-3 Sprays per nostril				
LipoCalm®					2 pumps, 3 times daily
*Make sure to drink adequate water when taking charcoal-containing supplements					

INSTRUCTIONS:

- Take 1 tsp each of **Dr. Shade's Liver Sauce®**, **Dr. Shade's Kidney Care**, **Ergo-Thione+**, and **NAD+ Platinum®**, and 1 capsule **Microb-Manager Para-Max™** twice daily. Hold each liquid dose in the mouth for 30-90 seconds before swallowing. Taking on an empty stomach is recommended.
- Mix 1 tsp **Ultra Binder® powder** stick pack in 8 ounces of filtered water 30 minutes after taking the liquid products. Wait another 30 minutes before eating.
- Take 4 **Ultra Binder® capsules** at mid-day between meals. Wait 30 minutes before eating. NOTE: Take the Ultra Binder capsules all seven days of the week.
- Clear nasal passages by using 2-3 sprays of **Quinton® Action Plus Nasal Spray** in each nostril each morning.
- Repeat protocol as needed or as directed by your healthcare practitioner.
- Take 2 pumps of **Lipocalm** 3 times daily, one dose in the morning, one during the day, and one before bed. NOTE: Take Lipocalm all seven days of the week.

IF TAKING MEDICATIONS, PLEASE READ: Because Ultra Binder® contains activated charcoal and other binding substances that may affect the absorption of medications, it should be taken at least two hours before or after prescription medications.

*We recommend working with a qualified practitioner for guidance.



TESTING YOU & YOUR ENVIRONMENT

Human testing (such as urine or blood) helps measure your body's mold/ mycotoxin exposure and burden. These tests can help detect specific molds like aspergillus, cladosporium, and penicillium, as well as common mycotoxins including aflatoxins, ochratoxin A, trichothecenes (such as satratoxins), and zearalenone. Testing can offer baseline and post-treatment results to understand progress and next steps.

Retesting is best done several weeks or months into a protocol, especially if symptoms are improving and you want to assess how toxin burden has shifted. Retesting too soon may not reflect the full impact of your detox program.

Environmental exposure can derail any treatment plan or protocol you put into place. Because of this, testing your environment is a critical step to improving health outcomes.



The **Got Mold?® Home Test Kit** offers a reliable, at-home option that uses dust sampling to screen for mold DNA and identify problematic species. It's inexpensive, user-friendly and can help you decide if deeper inspection or remediation is needed.

For more detailed assessments, consider **ERMI** or **EMMA** tests, or hire a professional mold inspector trained in building biology or IEP (Indoor Environmental Professional) protocols.

EVEN LOW-LEVEL MOLD EXPOSURE CAN:

- Overwhelm your detox pathways – this can slow or block toxin movement and removal.
- Keep your immune system in a hyperreactive state – excess histamine and inflammatory activity also blocks natural detoxification processes.
- Undermine any action you've taken – even with the best products and protocols, continued exposure can outweigh progress.

TAKE REMEDIATION SERIOUSLY

If mold is found, work with a certified mold remediation expert, not just a general contractor. Avoid the temptation to DIY – mold gets more toxic when disturbed and this just adds to the toxic burden of exposure. Proper containment, removal, and post-testing are essential.

ADDRESS CROSS-CONTAMINATION

Items in a moldy space can carry spores and mycotoxins. Evaluate porous items (books, paper goods, fabric furniture, etc.) for possible replacement or decontamination.

SUPPORT YOUR SPACE

Tools like HEPA air purifiers, dehumidifiers, and mycotoxin-neutralizing sprays (like EC3 or fogging solutions) can help lower exposure levels—but they're supportive, not substitutes for source removal.

YOUR QUESTIONS, ANSWERED

Q. CAN I DO THIS PROTOCOL WHILE STILL LIVING IN A MOLDY HOME?

- A.** The protocol is far more effective when exposure is minimized or eliminated. A critical step in recovering from mold toxicity is avoiding exposure to the source.

Q. HOW LONG SHOULD I STAY ON THE PROTOCOL?

- A.** Some patients benefit from repeating cycles or extending certain phases depending on severity and resilience. Please work with your healthcare provider to assess protocol length.

Q. WHAT ARE SIGNS IT'S WORKING?

- A.** Improved clarity, reduced fatigue, better sleep, improved sinus function, and emotional stability are common.*

Q. IS THERE ANYTHING ELSE I CAN BE DOING TO SUPPORT MY EFFORTS?

- A.**
- Lymphatic movement like dry brushing, rebounders, good quality castor oil packs (organic, hexane-free), or lymphatic massage
 - Infrared sauna or sweat inducing activities
 - Low-mold diet (low sugar, no fermented or mold-prone foods)
 - Environmental remediation if still exposed

Q. DO I NEED TO WORK WITH A PRACTITIONER?

- A.** While this guide offers an effective framework, mold and mycotoxin illness can be complex and highly individual. Working with your healthcare practitioner can help:
- Tailor the protocol to your unique needs (there may be optional products to include)
 - Address other health issues that may complicate your detox picture (e.g., tick-borne illness, histamine intolerance, gut dysbiosis)
 - Monitor progress

- Order and interpret advanced lab testing

Think of your practitioner as a co-navigator—helping you avoid roadblocks, reduce overwhelm, and act as a partner in your healing journey.

Q. DO I NEED TO FOLLOW A SPECIFIC DIET WHILE I'M ON THE PROGRAM?

- A.** No. However, it can be beneficial to reduce overly processed foods, excess sugar, and alcohol while detoxing as these things are inflammatory in nature and can create blockages to detoxification. Eating whole foods that are high in fiber during your detox can provide additional detoxification support.

Q. SHOULD I DRINK EXTRA WATER WHILE DETOXYING?

- A.** Drinking plenty of clean, purified water is vital to help flush toxins from the body. Keep a glass water bottle on hand and aim to drink half your body weight in ounces of water per day. For example, if you weigh 140 lbs., aim to drink 70 ounces of water daily.

Q. WILL I EXPERIENCE CHANGES IN ELIMINATION HABITS?

- A.** You may notice a change in urination frequency due to the lymphatic drainage aspect of the program. Don't be alarmed, the kidneys are vital toxin elimination organs and increased urination supports the removal of excess fluid and waste.

Occasionally, people will experience changes in their bowel habits when they're detoxing. Some may have loose stools, while others experience difficult elimination. It is ideal to have at least one bowel movement daily. If it's difficult, try increasing your water intake, moving your body with yoga or a vigorous walk, or increasing the fiber in your diet by eating more fruits and vegetables.

Q. CAN I EXERCISE WHILE I'M ON THE PROGRAM?

- A.** Yes! During the first few days, you may want to take it easy, but exercise is a great compliment to your detoxification program as toxins are also excreted through skin via sweat.

Q. WHY DO QUICKSILVER SCIENTIFIC PRODUCTS HAVE SUCH A STRONG TASTE?

- A.** We use many bitter-tasting plant compounds in our products. Bitter herbs are classic detoxifying compounds that promote bile production and flow to support the movement and elimination of toxins.*

Q. WHAT IF I NEED TO SKIP A DAY OR A FEW DAYS?

- A.** Not to worry! The protocol has a built-in pulse dosing schedule where you automatically get a few days off from the protocol. The body responds better to the program when it has a few days of rest. If you forget a day or two, the body won't mind, and it's okay if you extend the program to make up for missed days.

Q. WHAT IF I'M HAVING TROUBLE SLEEPING?

- A.** Getting a good night's sleep is vital for healing and detoxing. When first starting a detoxification protocol, you may notice changes in sleep patterns. If the body is under stress or going through a big shift like detoxification, cortisol levels can stay elevated, which can cause sleep disruption. We recommend adding **LipoCalm®** or **CBD Synergies-SP** to your nighttime routine to help support sleep.

HOW LONG SHOULD YOU DETOX FROM MOLD?

The honest answer is: **it depends.**

There is no one-size-fits-all timeline for mold detox, because recovery depends on several individual factors, including:

- Length and intensity of exposure (Was it months? Years? Ongoing?)
- Genetic predisposition (e.g., HLA-DR "mold-susceptible" genotypes)
- Current symptoms and toxic load
- Functionality of detox pathways (liver, kidneys, lymph, gut)
- Environmental remediation status
- Coexisting conditions (Tick-borne illness, parasites, immune dysregulation, etc.)

GENERAL TIMELINES TO EXPECT

- **Mild to Moderate Exposure:** 3–6 months of detox and drainage support may be sufficient, especially once exposure has been removed and the body is responding well.
- **Moderate to Severe or Long-Term Exposure:** 6–12 months (or longer) may be needed. Many individuals benefit from phased detox, which includes alternating between active detox, stabilization, and support periods.
- **For Sensitive or Complex Cases:** Some people may need to cycle detox protocols over 1–2 years, working closely with a practitioner to titrate products, manage flare-ups, and adapt based on lab work and symptoms.

HOW TO KNOW YOU'RE IN THE CLEAR

- You've removed exposure
- Symptoms have significantly improved
- You're no longer reacting to environments or foods
- Energy, mood, and sleep have stabilized
- Retesting shows reduced toxic burden

PRODUCT DESCRIPTIONS

DR. SHADE'S LIVER SAUCE®

Dr. Shade's Liver Sauce® is a premier liver formula that supports bile flow and detoxification pathways to aid toxin removal while balancing immune function and antioxidant activity.*

IN THIS FORMULA:

R-Lipoic Acid: R-lipoic acid (as sodium R-lipoate) is a potent antioxidant that is a strong activator of Nrf2 and helps upregulate the glutathione system.*

Dandelion and Gentian Root: Dandelion and gentian roots are bitter herbs that help activate bile production by stimulating bitter taste receptors in the GI tract. They are also known to have powerful hepatoprotective effects supporting antioxidant activity in the liver.*

Solidago: Solidago supports excretion of toxins through the kidneys. It also helps increase glutathione levels, supporting phase II detoxification processes.*

Myrrh Oleo-gum Resin: Myrrh helps activate bile flow and offers antioxidant and microbial-balancing effects.*

DIM: Diindolylmethane is a phytonutrient found in cruciferous vegetables that supports the activity of Nrf2. It also has immune-modulating properties.*

Milk Thistle: Milk thistle supports healthy liver function, a prerequisite for successful detoxification.*

Quercetin and Luteolin: The flavonoids quercetin and luteolin help balance the body's immune response making detoxification easier.*



ERGO-THIONE+

Ergo-Thione+ is an antioxidant formula designed to help protect cells from oxidative stress, support a balanced inflammatory response, and promote healthy aging pathways. It uses Quicksilver's liposomal delivery system to improve absorption of **ergothioneine**, a unique antioxidant naturally found in mushrooms but not easily absorbed in its pure form. By improving uptake of this important nutrient, Ergo-Thione+ helps reduce free radical stress, maintain cellular health, and support overall well-being.*

IN THIS FORMULA:

L-Ergothioneine: A "master" adaptive antioxidant sourced from mushrooms. It accumulates in tissues under stress, providing on-demand protection, supporting mitochondria, and coordinating with other antioxidants.

Opitac™ Glutathione: The body's primary intracellular antioxidant, crucial for detoxification, immune support, and regenerating Vitamin C and other antioxidants.

Vitamin C: A potent antioxidant that helps neutralize free radicals, supports immune function, regenerates other antioxidants (like glutathione), and supports collagen formation.

Selenium: Critical for producing antioxidant selenoproteins that protect cells and support immune and thyroid health.

Phosphatidylcholine (from purified sunflower lecithin): Forms the liposomal delivery vehicle that encapsulates the antioxidants, enhancing their absorption and cellular uptake.



DR. SHADE'S KIDNEY CARE

The kidneys are one of the body's primary routes for eliminating mold, making their health and function essential during detoxification. Supporting kidney drainage, lymphatic movement, and filtration helps support the excretion of mobilized toxins to avoid recirculation. Dr. Shade's Kidney Care is a proprietary blend of botanicals and nutraceuticals that work synergistically to promote kidney health, maintain proper filtration, and optimize the body's natural detoxification pathways.*

IN THIS FORMULA:

Dandelion Leaf and Goldenrod: The classic bitter herbs dandelion leaf extract and goldenrod support healthy drainage and filtration capabilities of the kidneys for enhanced detoxification.*

Fu Ling and Zhu Ling: Fu Ling is a fungus that grows around the roots of pine trees. It has been found to support kidney tissue integrity. Zhu Ling is an edible mushroom species and has been shown to support healthy kidney function by influencing normal genetic expression.*

Astragaloside IV: Astragaloside IV is a phytochemical derived from Astragalus that offers a vast array of benefits from protecting delicate kidney tissue as well as supporting the KLOTHO pathway, which is critical for longevity.*

Ferulic Acid: This phytochemical is found in fruits and vegetables and helps fortify the body's natural antioxidant defenses and supports healthy inflammatory response and autophagy.*

He Shou Wu (Polygonum multiflorum): He Shou Wu is a Chinese herb with a rich history of use in supporting healthy kidney function and is a tonifying component of the formula.*



NAD+ PLATINUM®

NAD+ Platinum® is an advanced longevity and cellular energy formula designed to support healthy aging, mitochondrial function, and optimal NAD+ levels. This synergistic blend combines scientifically researched NAD+ precursors, methylation cofactors, and cellular protectants to promote energy, recovery, and maximum detoxification potential.

IN THIS FORMULA:

Phosphatidylcholine: Phosphatidylcholine is the cornerstone of membrane lipid therapy and has been shown to support optimal energy production by fortifying mitochondrial composition. PC also supports healthy bile flow, and healthy liver and brain function.*

NMN (Nicotinamide Mononucleotide): A direct precursor to NAD+, NMN helps replenish cellular NAD+ stores to support energy production, mitochondrial health, and DNA repair.

Quercetin: A powerful flavonoid that supports healthy inflammatory balance and acts as a senolytic, helping the body clear senescent “zombie” cells that contribute to aging.

Resveratrol: A polyphenol that activates sirtuin pathways—key regulators of longevity—and works synergistically with NMN to promote mitochondrial efficiency and cellular repair.*

TMG (Trimethylglycine): Supports methylation, a critical process for recycling NAD+ and maintaining optimal cellular function.*



MICROB-MANAGER PARA-MAX™

Microb-Manager Para-Max™ is a broad-spectrum antimicrobial formula designed to support the body's natural defenses against bacteria, viruses, fungi, and parasites. It combines botanicals and natural compounds with immune and detoxification support, enhanced by Quicksilver's Self Micro-Emulsifying Multiple Delivery System (SMEEDS) for superior absorption and bioavailability.

IN THIS FORMULA

Artemisinin: Has demonstrated antiviral and antiparasitic properties, helping to inhibit viral replication, disrupt parasites, and promote healthy immune signaling.

Molybdenum: Is an essential trace mineral that supports detoxification pathways and aids in the processing of sulfites in the body.

Propolis: Extract provides antiviral, antifungal, and antibacterial activity while also reducing inflammation and modulating immune function.

Clove Bud Oil: Is a potent antimicrobial and antiparasitic compound traditionally used to target gut pathogens and parasites.

Cinnamon Bark Oil: Delivers antifungal, antiparasitic, and antibacterial benefits, while also helping to disrupt microbial biofilms and support gut balance.

Lemongrass Oil: Offers antiviral and antifungal support that promotes microbial balance and a healthy inflammatory response.

Olive Leaf Extract: Exerts antiparasitic and antimicrobial effects and helps modulate immune responses during microbial overgrowth.

Oregano Oil: Is a broad-spectrum antibacterial and antifungal agent that supports gut microbial balance and is especially helpful for managing candida.

Thyme Oil: Provides antiviral, antifungal, and antibacterial activity to strengthen immune resilience and microbiome diversity.

Turmeric: Oleoresin combines antiparasitic, antiviral, and anti-inflammatory properties, helping to regulate inflammatory cytokines and maintain immune balance.

Garlic Oil: Contributes wide-ranging antimicrobial and antiparasitic effects that support gut health and overall immune defense.



QUINTON® ACTION PLUS NASAL SPRAY

Quinton® Action Plus Nasal Spray is a mineral-rich seawater solution formulated to cleanse, hydrate, and refresh the nasal passages while supporting respiratory health and natural immune defenses.* Sourced from protected plankton blooms, this pure marine plasma provides a broad spectrum of bioavailable minerals and trace elements to help maintain nasal comfort and function.

IN THIS FORMULA:

100% Pure Seawater (Hypertonic Solution): Drawn from pristine oceanic plankton blooms and cold-microfiltered to preserve its natural mineral balance, this solution contains essential electrolytes and trace elements that help restore hydration, promote mucosal integrity, and support healthy nasal function.

Naturally Occurring Minerals & Trace Elements: Including magnesium, potassium, calcium, and 78 additional trace minerals that nourish mucous membranes and help maintain the body's natural defense systems.

Hypertonic Concentration: The higher mineral content gently promotes nasal drainage, helping to clear excess mucus and environmental irritants while maintaining comfort.

Sterile, Preservative-Free Spray: Ensures purity and safety for daily use without synthetic additives or chemicals.

Convenient Pump Delivery: Provides a fine, even mist to reach deep into the nasal passages for thorough cleansing and hydration.



ULTRA BINDER® POWDER

Ultra Binder® is our broad-spectrum binder blend that 'catches' excreted toxins in the GI tract for removal from the body. Since no single binder has an affinity for all toxins, our formula contains an array of binding agents to support a more complete detox.*

IN THIS FORMULA:

Activated Charcoal: Charcoal is shown to support the removal of metals, endotoxin, plant toxins, gasses, and vapors, among other substances.*

Bentonite Clay: Bentonite clay is a broad-spectrum microbial binder shown to catch mold toxins, heavy metals, microbes, and various chemicals.*

Chitosan: Chitosan is polyfunctional and been shown to support the binding of metals and microbes. It also supports friendly flora such as bifidobacteria and lactobacilli.*

Zeolite: The unique molecular structure of zeolite makes it a powerful "cation exchanger," or a substance capable of binding small molecules, including toxins such as heavy metals and organophosphate pesticides.*

Intestinal Metals Detox (IMD®): Quicksilver's proprietary thiol-functionalized silica product delivers insoluble thiol groups to bind and help eliminate mercury and other heavy metals.*

Aloe Vera Leaf and Fibre Gum™: Aloe vera is a soothing prebiotic supporting healthy gastric flora. It also supports bowel regularity. Fiber Gum™ is a soluble fiber that supports beneficial gut bacteria and GI motility and function.*



ULTRA BINDER® CAPSULES

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PectaSol-C® Modified Citrus Pectin: PectaSol-C® Modified Citrus Pectin supports detoxification by binding and aiding the gentle removal of heavy metals and environmental toxins. Its unique structure also promotes healthy cellular function and immune balance during detox protocols.



LIPOCALM®

Ongoing stressors like mold can keep the nervous system stuck in a prolonged “fight-or-flight” state. Over time, this dysregulation may contribute to symptoms such as fatigue, restlessness, brain fog, poor sleep, digestive disturbances, heightened sensitivity to stress, and difficulty recovering from illness. LipoCalm® is a balanced blend of nutraceuticals and botanicals designed to support autonomic nervous system balance and regulation to support a more relaxed state.

IN THIS FORMULA:

PharmaGABA®: A naturally fermented form of the amino acid GABA shown to reduce stress and support relaxation and restful sleep

Skullcap: Skullcap contains unique flavonoids that bind to GABA and serotonin receptors, promoting relaxation and tranquility.

Passion Flower: Passion flower is high in GABA and contains potent flavonoids supporting sleep, mood, and worry; it has also been shown to reduce restless thinking.

Egyptian Blue Chamomile: Egyptian chamomile oil is a fragrant, midnight-blue essential oil containing numerous compounds that support calmness, relaxation, and sleep; it is high in apigenin, which binds to GABA receptors.



OPTIONAL PRODUCTS

ORAL LIPOSOMAL BPC-157 + KPV COMBO

Liposomal BPC-157 + KPV COMBO pairs regenerative peptides BPC-157, a 15-amino acid compound derived from the protective BPC protein in the human gut, and KPV, a naturally occurring tripeptide known for its anti-inflammatory and anti-microbial properties. This complex helps promote gastrointestinal healing and repair, immune regulation, tissue support, and pathology-based recovery.

CAT'S CLAW V-MAX

Cat's Claw V-Max helps strengthen the body's natural defenses against microbial stressors. Featuring vitamin D3, cat's claw, lemon balm, olive leaf, propolis, monolaurin, and lemongrass oil, this targeted formula supports pathogen clearance and healthy immune signaling. As mold detoxification progresses, dormant viral activity may resurface. Cat's Claw V-Max can serve as an optional supportive tool, helping the immune system stay strong and responsive during these transitional periods.

HISTA-AID®

Hista-Aid® blends vitamin C, quercetin, luteolin, and DIM to support a balanced histamine response and to modulate immune function. Histamine is an important chemical the immune system releases in response to irritants, but unchecked levels can lead to unwanted symptoms.

PNEUMA CLEAR™

Pneuma Clear™ is an adaptogenic lung formula supporting the body's natural ability to adapt to respiratory challenges related to mold, such as lung congestion

and breathing issues. Featuring mullein, wild cherry bark, elecampane, usnea, Tian Hua Fen, osha, thyme, astragalus, ginger extracts, and ginger oleoresin, these botanicals collectively support healthy respiratory function, immune resilience, and adaptation to respiratory stress from mold and mycotoxin exposure.

PURE PC®

Pure PC® delivers a concentrated dose of phosphatidylcholine (PC), an essential phospholipid that plays a central role in cellular structure and function and supports mold detoxification. Mycotoxins can compromise the integrity of cell membranes, impair bile flow, and drive inflammation. Pure PC® helps replenish and repair membranes, promotes healthy liver and bile function, and supports neurological resilience, offering foundational protection throughout the detoxification process.



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Quicksilver Scientific® is a leading manufacturer of advanced dietary supplement formulations with a focus on detoxification. Our proprietary liposomal delivery technology supports the bioavailability of ingredients and unsurpassed absorption for health optimization.

At Quicksilver Scientific®, we are passionate about health and well-being and are committed to improving the lives of everyone we touch.



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