

# ADVANCED PUSHCATCH®

— DETOX SYSTEM —



Advanced PushCatch® Detox System is a comprehensive and streamlined toxin removal protocol kit designed to support the efficient elimination of toxins by supporting the body's natural detoxification capabilities.

To support effective toxin removal in a program, it is critical that the right ingredients get into the body at the right time for an effective, efficient, and timely cycle of detox. Dr. Shade refers to this as BioSynchronous-Activation™. We achieve BioSynchronous-Activation™ in our Advanced PushCatch® Detox System by simultaneously delivering the right combination of ingredients using Quicksilver Delivery Systems® technology.

## Products Included:

- 2x Dr. Shade's Liver Sauce®
- 2x Ultra Binder®
- 2x Kidney Care
- 2x Liposomal Glutathione
- 2x Membrane Mend™

**Product Cycling:** 5 days on, 2 days off or 10 days on, 4 days off | **Protocol length:** 1 month

**Instructions:** Take 1 tsp each of Dr. Shade's Liver Sauce, Kidney Care, and Membrane Mend™, and 5 pumps of Liposomal Glutathione twice daily. Hold each dose in the mouth for 30-90 seconds before swallowing. Taking on an empty stomach is recommended. Mix 1 Ultra Binder® stick pack in 8 ounces of filtered water 30 minutes after taking the liquid products. Wait another 30 minutes before eating.

## IF TAKING OTHER MEDICATIONS, PLEASE READ:

Because Ultra Binder® contains activated charcoal and other substances which may affect the absorption of medications, it should be taken at least two hours before or after prescription medications.

| 30-DAY PROTOCOL           |         |                       |         |                       |
|---------------------------|---------|-----------------------|---------|-----------------------|
| PRODUCT                   | A.M.    | 30 MINUTES LATER      | P.M.    | 30 MINUTES LATER      |
| Dr. Shade's Liver Sauce   | 1 tsp   |                       | 1 tsp   |                       |
| Liposomal Glutathione     | 5 pumps |                       | 5 pumps |                       |
| Kidney Care               | 1 tsp   |                       | 1 tsp   |                       |
| Membrane Mend™            | 1 tsp   |                       | 1 tsp   |                       |
| Ultra Binder Stick Packs* |         | 1 pack mixed in water |         | 1 pack mixed in water |

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

## Before You Start

The detoxification process supports the clearing and resetting of your body at a cellular level. You may experience some changes in how you feel as your body acclimates to detoxing.\*

### ◆ INCREASED HYDRATION NEEDS

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.

### ◆ CHANGES IN ELIMINATION HABITS

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. Mineral supplementation can be beneficial. We recommend QuintEssential® 0.9 sea minerals which can be found on our website.

Occasionally, people will experience changes in their bowel habits when they're detoxing. Some may have loose stools, while others experience difficult elimination. Either way, it is essential 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.

### ◆ FATIGUE

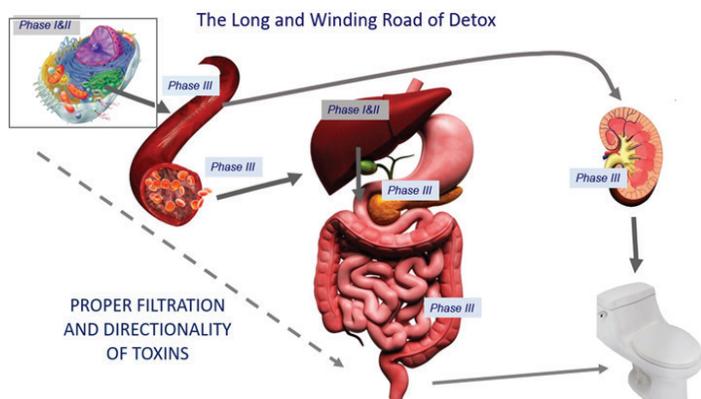
During the first few days of detox, you may feel a bit fatigued. This can be due to changes in your metabolism as your body shifts its energies towards mobilizing and eliminating toxins. If you're dragging during your detox, drink plenty of water and give yourself some time to relax and recharge – you may need to be gentler on your body for the first few days. If hydration and rest do not offer relief, it may be beneficial to start at a lower dosage entry point.



## About The Push Catch Concept of Detoxification

The 'push catch' concept was developed by Quicksilver Scientific and Dr. Shade to optimally support all three phases of detoxification. Potent nutrients and bitter phytochemicals help activate critical detoxification pathways like Nrf2 and optimize bile flow, to mobilize or 'push' toxins directionally through the body for excretion. Binding agents like charcoal and bentonite clay intercept or 'catch' mobilized toxins in the intestine, for elimination, preventing redistribution.

The Advanced PushCatch® Detox System combines additional toxin removal support by including supplemental glutathione to provide antioxidant defense and immune stabilization, high dose phosphatidylcholine for healthy cellular membranes and toxin export, and targeted phytochemicals to support lymphatic drainage and kidney health – all key aspects of healthy and effective detoxification.\*



### WHY PUSHCATCH®? BIOAVAILABILITY OF INGREDIENTS & BIOSYNCHRONOUS-ACTIVATION™

Quicksilver Scientific has been in the detoxification space for over a decade and specializes in the manufacturing of high bioavailability dietary supplements using patent-pending 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. This, along with our advanced understanding of the detoxification system and what ingredients best support toxin removal, is what sets us apart from other detoxification programs.

BioSynchronous-Activation™ is achieved in our Advanced PushCatch® Detox System by concurrently delivering the right combination of bioavailable ingredients into the body at the right time.

*"The process of detoxification consists of three phases. In a healthy state, toxins are processed and removed from the cells and organs via enzymes and transporter proteins, and leave the body primarily via the skin, urine, and feces. Although detoxification occurs in every cell of the body, the liver, kidneys, and intestines are primary tissues in which higher levels of detoxification occur."*  
<https://www.townsendletter.com/FebMarch2018/pushcatch0218.html>

For example, our 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 a fast and organized cycle of detox. The efficiency of nanoparticle delivery creates a safe, symptom-free, and dependable cycle of toxin removal every time.

### WHY BIOSYNCHRONOUS-ACTIVATION™ IS IMPORTANT

If you were to administer these same ingredients as separate product dosages using capsules or powders, not only would you be taking handfuls of pills but the timing would be slow as you wait for the body to digest, process and metabolize the ingredients – which, depending on the ingredient, will occur at different rates creating a patchwork detox cycle that can take hours, is out of sync, less efficient, and sets you up for redistribution of toxins and unwanted detox reactions.

## Advanced PushCatch® Detox System Product Descriptions

### DR. SHADE'S LIVER SAUCE



Liver Sauce is a premier liver formula that supports bile flow and detoxification pathways to aid toxin elimination while balancing healthy inflammation and antioxidant activity. Liver Sauce acts as the “push” in the Advanced PushCatch® system, supporting all phases of detoxification.

#### In this formula:

**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, a detoxification mechanism in the body that aids glutathione production and specific enzymes to support toxin removal.+

**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.+

### LIPOSOMAL GLUTATHIONE



Liposomal Glutathione is a powerful partner to Dr. Shade's Liver Sauce for advanced detoxification. Known as our body's master antioxidant, Liposomal Glutathione supports all three phases of detoxification. It is also a crucial ally in healthy aging and immunity.

#### In this formula:

**Opitac™ Glutathione:** reduced L-Glutathione, a tripeptide consisting of glutamic acid, cysteine and glycine. Glutathione is the body's premier antioxidant. It is essential for detoxification and maintaining healthy immune function.+

## KIDNEY CARE



Drainage is a vital aspect of effective detoxification and the kidneys play a large role in this process. Kidney Care is effectively the drainage or 'release' aspect to the Advanced Push-Catch® system.

Kidney Care is a proprietary blend of botanicals and nutraceuticals that includes Astragaloside IV extract, Zhu Ling, Goldenrod, Dandelion Leaf, He Shou Wu root, Fu Ling, and Ferulic Acid to support healthy kidney function, drainage, and improved detoxification.\*

### 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.

## MEMBRANE MEND™



Every cell and organelle in the human body is encapsulated by a lipid membrane that serves as the initiation point for intracellular signaling pathways. A number of modern-day factors including toxins can disrupt the integrity and health of the cell's membranes. Membrane Mend™ is designed to promote the health and resilience of cell and organelle membranes.

### In this formula:

**Astaxanthin:** Astaxanthin is a pink-colored carotenoid found in marine like krill, shrimp and salmon. This carotenoid provides potent antioxidant benefit that support membrane integrity.

**DeltaGold® Tocotrienols:** DeltaGold® Tocotrienols are compounds within the vitamin E family with powerful antioxidant properties. Delta tocotrienol is a highly bioavailable form that aids in membrane protection from oxidative damage.

**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, healthy liver and brain function.

## ULTRA BINDER® STICK PACKS



Ultra Binder® is our broad-spectrum binder that “mops up” toxins that have been excreted into the gut, preventing them from being recirculated throughout the body. Ultra Binder® acts as the “catch” in the Advanced PushCatch® detox system. 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)** is Quicksilver’s proprietary thiol-functionalized silica that delivers insoluble thiol groups to bind and eliminate mercury and other heavy metals accumulated in the intestines.+