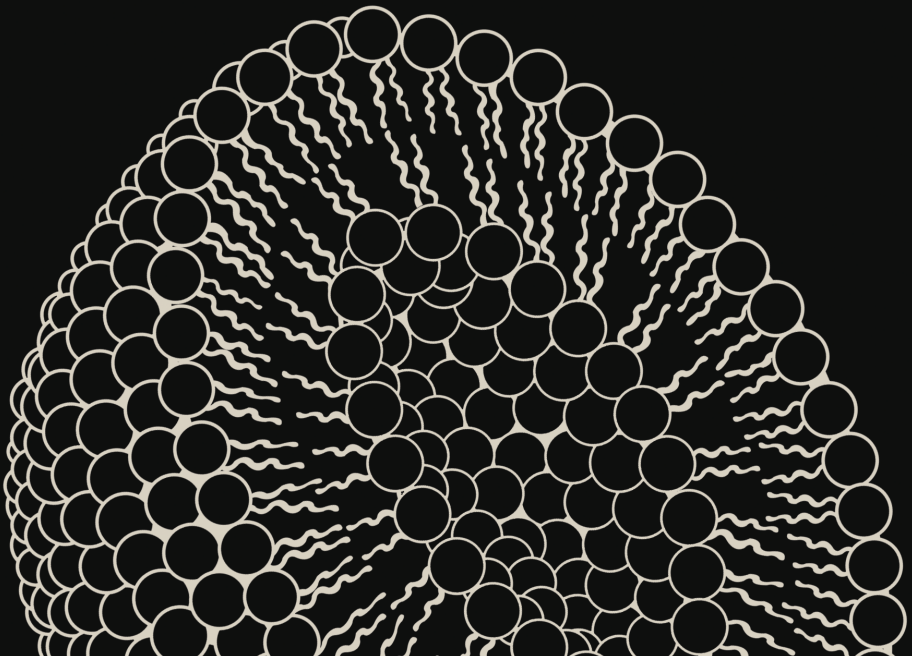




QUICKSILVER
S C I E N T I F I C

BLACKBOXII

PERFECT DELIVERY • PERFECT PATHWAY • PERFECT PROTOCOL



INSIDE THE BLACK BOX II

Kit Item	Count and Size
Nanoemulsified DIM	3 x 50 mL bottles
Liposomal Glutathione	2 x 50 mL bottles
Micellized Pure PC	2 x 120 mL bottles
BitterX	2 x 50 mL bottles
Ultra Binder	2 x 120 g bottles
Liposomal Methyl B-Complex	1 x 50 mL bottle
Complete protocol instructions and guide	



BLACK BOX II

We live in a toxin-filled world, and unfortunately it's virtually impossible to avoid all toxins. Sadly, our health can be seriously affected by pesticides, herbicides, mold toxins, heavy metals, plastics, and various types of volatile organic chemicals. Even the hormones and neurotransmitters made by our body can be toxic if they accumulate or if they are not metabolized fully. Fortunately the human body is designed to naturally clear toxins, but sometimes it needs support.

The body's process of detoxification has multiple steps that must be synchronized to effectively move toxins from cells to the blood stream, and subsequently out through the liver, kidneys, digestive tract, or skin. The most important route out is through the liver, into the bile ducts, then the gallbladder, and finally into the gastrointestinal (GI) tract. To support that process, the goal of the Black Box II protocol is to keep the pathway from the liver open and flowing and then to bind the toxins in the GI tract to prevent reabsorption.

The 4-week **BLACK BOX II** protocol is designed to support the body's *natural* processes of detoxification from hormones, plastic-related compounds, mold toxins, herbicides and pesticides, and even metals. The products provided in the BLACK BOX II function elegantly in a synergistic fashion:

1. **Micellized Pure PC** delivers phosphatidylcholine, the main component of cellular membranes and a component of healthy bile flow, a key support for the liver and brain during active detoxification.*
2. **Nanoemulsified DIM** acts to open up the body's endogenous antioxidant and detoxification systems, calm immune system reactivity, and support healthy hormone metabolism.*
3. **Liposomal Methyl B-Complex** provides B vitamins necessary for cellular metabolism and detoxification reactions. The liver has a high demand for B vitamins during active detoxification.*

4. **Liposomal Glutathione** delivers the body's core antioxidant and detoxification compound and is one of the anchors of the system.
5. **BitterX** is the next generation of drainage remedies, herbal and homeopathic remedies for enhancing liver and kidney excretion. BitterX contains herbs known for increasing bile flow, including myrrh and gentian, in our Quicksilver Delivery System format. Bile flow is intimately linked to toxin flow, and this stimulation helps "push" toxins to the GI tract where they can be bound and eliminated. BitterX also supports toxin transporters in the kidneys to encourage toxin elimination into urine.
6. Finally, **Ultra Binder** delivers a comprehensive blend of toxin binders, chosen for their overlapping specificities, to efficiently bind many different classes of toxins in the GI tract.*

The products are staged in our **"Push-Catch"** design, where the liposomal products are taken first to accelerate detoxification reactions in the liver, including bitters to stimulate bile (and toxin) flow from the liver to the small intestine.* The Ultra Binder then follows to "catch" and bind the toxins so they can be safely eliminated without being reabsorbed.*

The beauty of using a liposomal delivery system to deliver the nutrient compounds of the BLACK BOX II is that they are absorbed almost instantaneously into the bloodstream when they come in contact with the mouth. They are rapidly transferred through the bloodstream to site of action, initiating the flow of these steps immediately. By the time the Ultra Binder is delivered to the digestive tract, the movement of the liver has already been initiated, promoting formation of bile, which contains the toxins that the gallbladder then pushes into the intestines, where the combination of binders is able to capture them.*

Protocol Instructions

Please follow the dosage schedule below, taking liposomal products in order from top to bottom. The “A.M.” dose is best taken first thing in the morning about 1 hour before food; the “P.M.” dose can be taken 1 hour before dinner or 2 hours after dinner.

Note: 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. Ultra Binder can be taken 30 to 60 minutes before or after other supplements and food, with longer spacing being optimal.

Disclaimer: *This system is not intended to diagnose or treat any disease. The dosing schedule below is designed to serve as a guide, and should not supplant guidance concerning the use of these supplements provided by your healthcare practitioner.*

Week 1 (Days 1-7)				
	A.M.	30 minutes later	P.M.	30 minutes later
Pure PC	1/2 tsp		1/2 tsp	
Nanoemulsified DIM	2 pumps		2 pumps	
Methyl B-Complex	1 pump		1 pump	
Liposomal Glutathione	2 pumps		2 pumps	
BitterX	2 pumps		2 pumps	
Ultra Binder**	O	1 tsp with water	O	1 tsp with water
** Make sure to drink adequate water when taking charcoal-containing supplements.				

Week 2 (Days 8-14)				
	A.M.	30 minutes later	P.M.	30 minutes later
Pure PC	1 tsp		1 tsp	
Nanoemulsified DIM	4 pumps		4 pumps	
Methyl B-Complex	2 pumps		2 pumps	
Liposomal Glutathione	4 pumps		4 pumps	
BitterX	4 pumps		4 pumps	
Ultra Binder**	O	1 tsp with water	O	1 tsp with water
** Make sure to drink adequate water when taking charcoal-containing supplements.				

Weeks 3 & 4 (Days 15-28)				
	A.M.	30 minutes later	P.M.	30 minutes later
Pure PC	1 tsp		1 tsp	
Nanoemulsified DIM	6 pumps		6 pumps	
Methyl B-Complex	2 pumps		2 pumps	
Liposomal Glutathione	4 pumps		4 pumps	
BitterX	4 pumps		4 pumps	
Ultra Binder**	O	1 tsp with water	O	1 tsp with water
** Make sure to drink adequate water when taking charcoal-containing supplements.				

* These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure or prevent any disease.

THE BLACK BOX II PRODUCTS

Nanoemulsified DIM

Diindolylmethane (DIM) or 3,3'-Diindolylmethane

is a compound derived from indole-3-carbinol, which is found in cruciferous vegetables such as broccoli, brussels sprouts, cabbage and kale. Dietary consumption of cruciferous vegetables has been observed to have positive impacts on various health parameters, detoxification, and disease risk.* DIM may be one of the compounds that contributes to these benefits, as it has been shown to support a healthy immune response, normal hormone metabolism, and natural detoxification pathways.* DIM has been shown to be a strong inducer of the antioxidant response element (ARE), a regulator of the expression of many Phase II drug metabolizing enzymes and Phase III transporters, as well as the body's endogenous glutathione production.* Absorption of nanoemulsified DIM significantly surpasses other oral-based therapies, such as tablets and capsules, because DIM, complexed with phospholipids, absorbs orally and rapidly enters circulation.*



Liposomal Glutathione

Glutathione is the master detoxifier and the body's main endogenous antioxidant.* Toxins become linked to glutathione, which then carries them into the bile, the stool, and out of the body. Glutathione protects our cells' delicate chemical machinery, and helps energy metabolism run efficiently.* Glutathione is also integral to our immune system, especially for resistance to viruses.* The advanced liposomes from our **Quicksilver Delivery Systems™** absorb rapidly in the mouth, preventing glutathione from being broken down in the digestive tract, which limits the bioavailability of other glutathione formats. Liposomal delivery of glutathione also dramatically improves the ability of glutathione to enter the cellular environment where it is needed. In cell cultures, liposomal glutathione has been demonstrated to be 100 times more efficient for intracellular delivery than non-liposomal glutathione.*



Micellized Pure PC

Phosphatidylcholine (PC) is a vital component of the external and internal cellular membranes of plant and animal cells, necessary for membrane integrity, structure, and function. PC is a normal constituent of bile and facilitates fat emulsification, absorption, and transport. Although small amounts of choline, the primary nutrient derived from PC, can be synthesized in the body, it is considered an essential nutrient and is often deficient in the diet. Sufficient levels of PC and choline are also necessary for homocysteine metabolism, neurocognitive health, and liver detoxification of chemicals, heavy metals, and xenobiotics.* Choline supports the body's antioxidant status, reducing lipid peroxidation, and is also a major source of methyl groups via its metabolite trimethylglycine (TMG), which is important for Phase II hepatic detoxification.*



Liposomal Methyl B-Complex

B complex vitamins are critical for many processes inherent to life. They serve as cofactors for enzymatic reactions, and are necessary for gene expression, oxidation-reduction reactions, energy production, detoxification, and formation of other biologically essential compounds. All the **B vitamins** play a role in mitochondrial function. Deficiencies may be associated with oxidative stress and mitochondrial damage.* The activated form of B2 (riboflavin 5'-phosphate) with B6 (pyridoxine hydrochloride), folate (as folic acid), methylated B12 and trimethylglycine found in **Methyl B-Complex** provide the factors necessary for healthy methylation processes without creating "methyl traps" or hypermethylation symptoms.* **Folic acid**, a tetrahydrofolic acid derivative, provides a form of folate that circumvents genetic issues that affect folate transport or metabolism.* **Milk Thistle** supports hepatic metabolism and detoxification, enhancing bile flow to match with the potentiation of hepatic detoxification reactions that B vitamins may induce.*



BitterX

The four-fold army of herbs in **BitterX** is comprised of dandelion, gentian root, solidago (goldenrod), and the essential oil of myrrh, delivered in the advanced liposomal format that Quicksilver Scientific is well known for. This blend of bitters has a strong effect of activating the transporters necessary to move bile, and toxins, from the liver and out through the gallbladder.* **Myrrh** is core to this formula. Myrrh is an underappreciated herbal compound in the west, but in Ayurveda and Traditional Chinese Medicine is used extensively as a bitter detoxifier and bile flow promoter and for moving blood stagnation*. It is a primary therapeutic in Ayurveda for female reproductive health, but unlike other bitter compounds, it is tonifying with long-term use instead of depleting*. **Dandelion** is probably the most well-known component, carrying with it a shield of hepatoprotective, renal, and bile flow stimulating benefits.* **Gentian**, well known as the most bitter herb, also is an important player on this detoxification team. In addition to promoting healthy bile flow, gentian has been observed to increase levels of glutathione and other antioxidant-supporting enzymes.* **Solidago**, a classic herb used to support the urinary system, promotes diuresis and with this the elimination of toxins, simultaneously increasing glutathione S-transferase activity, a critical enzyme in Phase II detoxification.*



Ultra Binder

Ultra Binder optimizes the natural elimination of debris and toxins, including endotoxin (LPS), metals, and unwanted microbial by-products through the intestines.* Ultra Binder is a combination of USP Sodium Bentonite Clay, Activated Charcoal, Chitosan, Acacia Gum, Aloe Vera, and a proprietary thiol-functionalized silica (IMD). **Activated Charcoal** effectively binds LPS, pesticides, herbicides, persistent organic pollutants, and mold toxins.* **Bentonite Clay** binds aflatoxin as well as other mold toxins.* **Chitosan** binds to the bile and toxins that are secreted with it, including heavy metals, polychlorinated biphenyls (PCBs), phthalates, and bisphenol A (BPA)*. The proprietary thiol-functionalized silica (also found in **IMD Intestinal Cleanse**) is a superior metal-binding agent, and the active binding groups out-compete other compounds for metals in the intestines.* **Acacia Gum** supports the gastrointestinal mucosa health, the growth of friendly flora, and normal gastrointestinal function.* It is a low FODMAP friendly prebiotic fiber. **Aloe Vera** has a soothing effect on the gastric mucosa, and minimizes gastric side effects that can occur when binders are taken alone.*



A few products we suggest in conjunction with the **Black Box II** protocol include:

Non-Kit Item (Optional)	Count and Size
Ayush Herbs Rentone (kidney support*)	2 x 90-cap bottles
NanoMojo (adrenal support*)	1 x 50 mL bottle
Quinton Isotonic (Sea Minerals) or QuintEssential 0.9 (mineral balance*)	2 x 30-ampule box
Quinton Hypertonic (Sea Minerals) or QuintEssential 3.3 (mineral balance*)	1 x 30-ampule box

Consult a practitioner for advice regarding how best to incorporate these items into the protocol provided by Quicksilver Scientific.

ABOUT QUICKSILVER SCIENTIFIC

Quicksilver Scientific is a leading manufacturer of advanced nutritional systems with a focus on detoxification. We specialize in superior liposomal delivery systems and heavy metal testing to support optimal health. Our advanced liposomal supplements are highly absorbable, and support the body in the elimination of ubiquitous toxins, enabling you to achieve your genetic potential. At Quicksilver Scientific, we are passionate about health and well-being, and are committed to improving the lives of everyone we touch.

For more information about the complete line of Quicksilver Scientific products, please visit our website at www.quicksilverscientific.com.

** These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.*

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