

# ALCOHOL WITHDRAWAL PATCH

## PRODUCT SHEET

### Type Of Patch:

General well-being application

### Indication:

The Alcohol Withdrawal Transdermal Patch contains a balanced formula of plant extracts, amino acids, vitamins and minerals to help alleviate the withdrawal symptoms resulting from chronic alcohol abuse. It is used as an adjunctive therapy to support conventional pharmaceutical drug-based alcohol detoxification and to mitigate alcohol withdrawal symptoms in serious cases of chronic alcoholism. The Alcohol Withdrawal Transdermal Patch may entirely substitute for drug therapy in milder forms of chronic alcoholism and binge drinking.

### Mechanism of action:

Alcoholics may suffer with a genetically under-active “reward circuit” in the brain called Reward Deficiency Syndrome (RDS) which may cause them to experience lifelong symptoms of anhedonia (“emptiness” and inability to feel pleasure), impulsiveness (criminal, antisocial behaviour), compulsiveness (substance abuse, overeating, gambling, promiscuity) and dysphoria (irritability, tiredness and depression) which encourages them

seek out alcoholic beverages to feel normal. Alcohol works to simultaneously tranquillise by enhancing gamma amino butyric acid (GABA) and blocking glutamate activity whilst mimicking the action of the brain’s natural opiates (neuropeptides) which lift the “brake” on dopamine release (the brain’s “pleasure transmitter”) in the reward circuit to temporarily alleviate these unpleasant emotional symptoms. But over time it desensitizes the GABA system and over-activates the Glutamate system resulting in symptoms of anxiety and overarousal. It also depletes the brain’s supply of neuropeptides and repeated use eventually desensitises dopamine release in the reward circuit even further creating tolerance to its effects, dysphoria and dependency on alcohol to feel normal.

The Alcohol Withdrawal Transdermal Patch contains non habit-forming tranquillising nutrients like the GABA-booster nicotinoyl gamma aminobutyric acid (Picamilon) and the benzodiazepine-like *Salvia miltiorrhiza* sp. (with a dual GABA-enhancing and Glutamate-blocking action) which together heal the imbalance between GABA and glutamate in the brain responsible for many of the alcoholic withdrawal symptoms that occur like anxiety, sweating, nausea, racing heart, hallucinations and convulsions. It also provides dimethylaminoethanol (DMAE) and cofactor vitamin B5 to activate the calming branch of the automatic nervous system and lower levels of the “stress transmitter” norepinephrine further easing withdrawal symptoms.

The Alcohol Withdrawal Transdermal Patch contains a unique ingredient *dextro*-Phenylalanine which inhibits the enzymes that break down brain neuropeptides prolonging their life and restoring

levels back to normal. This lifts the brake on dopamine release naturally in a sustainable way which together with the glutamate-blocking and tolerance-blocking effects of *Salvia miltiorrhiza* sp. restarts dopamine release in the “reward circuit” thereby reversing tolerance, helping to alleviate withdrawal symptoms and, by speeding up the brain’s neurological process of “forgetting” of drug memories, counteracts longer term RDS-based cravings and relapse which follow when drinking stops.

The Alcohol Withdrawal Transdermal Patch is the first patch of its kind to contain the drinking inhibitor or anti-dipsotropic agent *Pueraria lobata* sp. which delays the absorption of alcohol from the stomach lessening its effects and slowing down the body’s metabolism of alcohol which reduces consumption protecting major organ systems like the brain and liver from alcohol damage making it useful to those individuals who are still dependent on alcohol. *P. lobata* sp. also contains active principles which block oversensitive serotonin receptors in the brain to lower craving and withdrawal symptoms.

It also contains *Sesamum indicum* sp. lignans which restore alcohol-depressed brain prostaglandin E1 levels back to normal to help lift chronic depressive symptoms.

The Alcohol Withdrawal Transdermal Patch supplies a comprehensive array of *activated* vitamins like coenzyme vitamin B1 Thiamine pyrophosphate, coenzyme vitamin B2 Riboflavin-5-phosphate, coenzyme vitamin B3 Nicotine Adenine Dinucleotide, coenzyme vitamin B6 pyridoxal-5-phosphate, coenzyme vitamin B12

methylcobalamin, coenzyme folate as folic acid, R-alpha lipoic acid, and minerals like zinc and chromium known to be depleted in alcoholism. Deficiencies of these nutrients are responsible for a variety of alcoholic symptoms like impaired carbohydrate metabolism, slowed production of the “energy molecule” ATP, lactate and acetaldehyde poisoning, skin conditions, polyneuropathy, alcoholic pellagra, anaemias, neuropsychiatric symptoms like ataxia, anxiety, depression, paranoia and Wernicke-Korsakoff’s syndrome, major organ damage and even stroke and seizure.

### **Administration** -

We are currently supplying dosages which require morning and evening application of a fresh patch. As an adjunct to drug therapy in chronic alcoholics or as a monotherapy in less serious cases of chronic alcoholism and cases of binge drinking apply the patch to the shoulder area, exchanging a fresh patch every once in the morning upon rising and once in the evening on retiring, ensuring the area is clean and dry. Leave each patch on the skin for 24 hours, so you should alternately replace one patch at a time. Vary the location where you place the patch by applying to a different area of the skin each day. The 24 hour transdermal delivery system will transfer the patch ingredients slowly through the skin ensuring the abstainee is supported around the clock. An additional patch may be applied at any time if regression in symptoms occurs. In all cases transdermal patch therapy should continue long term after primary alcohol detoxification has been completed until neurotransmitter and vitamin levels have stabilized, especially where an underlying anxiety or major depressive disorder is suspected.

**Warnings** -

Avoid if suffering with phenylketonuria as this product contains D-phenylalanine. Take with caution if suffering with bipolar manic depression, epilepsy, have a history of convulsions, after having received surgical coronary stenting or if taking prescription anticoagulants (e.g. heparin, warfarin), anti-platelet drugs, antiarrhythmic agents, antidiabetic drugs, diuretics or any of the following drugs: digoxin, methotrexate, mecamlamine, amiodarone, trimethoprim, phenytoin, or phenobarbital. May have additive effects with tranquillizers, sedatives, hypnotics, MAOI's, levodopa or decrease the effectiveness of chemotherapy.