

LIQUID OXYGEN DROPS 3X

Professional Strength

A Break Through in Natural Product Remedy

- Oxygen Concentrate in Liquid Form
- Highly Effective
- Immediately Bioavailable
- No Contraindications, pH Neutral
- Safe and Healthy for Daily Supplementation
- Enhances Other Therapies, like HBOT & CPAP

Available only to Healthcare Practitioners



What are LIQUID OXYGEN DROPS?

A concentrated oxygen supplement in a stable liquid form which is pH neutral.

Why do we need oxygen supplementation?

"Historically in medicine, we have always searched for safe ways of getting additional oxygen for our needs."

Dr. George Yu, M.D.

Aegis Medical Research

Clinical Professor of Urology, George Washington University

Whether it be the oxygen gas mask a patient receives in medical care or undergoing hyperbaric oxygen therapy, feeding our body additional oxygen is a recognized mode of effective healing.

Who can use it?

Liquid Oxygen Drops 3X (LO3X) are beneficial for all, immediately bioavailable, and can be integrated into any regime with no contraindications. In this safe, economic, and easy to use form, *oxygen supplementation has never been simpler.*

Benefits of Liquid Oxygen 3X: *Enables Healthy Cellular Respiration*

LO3X empowers all physiological processes through the fundamental energy creation of ATP production. It enables optimum mitochondrial function by supplying the body additional oxygen to promote healthy aerobic processes.

OXIDATIVE PHOSPHORYLIZATION	GLYCOLYSIS
Aerobic	Anaerobic
With Oxygen	Without Oxygen
In Mitochondria	Within Cell Cytosol
= 30-36 ATP Energy Packets	= 2 ATP Energy Packets
	Lactic Acid Byproduct
	Alters pH Neutrality to Acidosis
	More Susceptibility to Inflammation, Pain, & Disease

"Low oxygen levels in the body also encourage acid conditions, increasing the risk of disease." **Dr. Otto Warburg**

"Respiration is responsible for maintaining genomic stability of differentiated state and respiratory insufficiency will eventually induce the default state of unbridled proliferation." **Dr. Thomas N Seyfried**

LIQUID OXYGEN CLINICAL TRIAL: Reducing Allergy Symptoms

An independent, third-party clinical trial was conducted by Dr. Jay Udani of Medicus Research to study the benefits of Liquid Oxygen (LO) for sinus and skin applications.

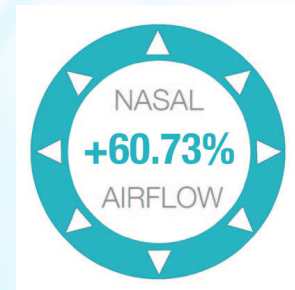
LO intra-nasal is clinically proven to improve allergic rhinitis and reduce allergy symptoms such as congestion, runny nose, and itchy eyes.

The clinical trial design was a controlled cross over study wherein allergy sufferers had their congestion measured via PNIF, a meter measuring peak nasal inspiratory flow through the nasal passages. The oxygen solution studied in the investigation was at a 50% concentration strength and administered to subjects utilizing a nasal spray.

The following end points reached statistical significance when compared to the control in the first 30 minutes:



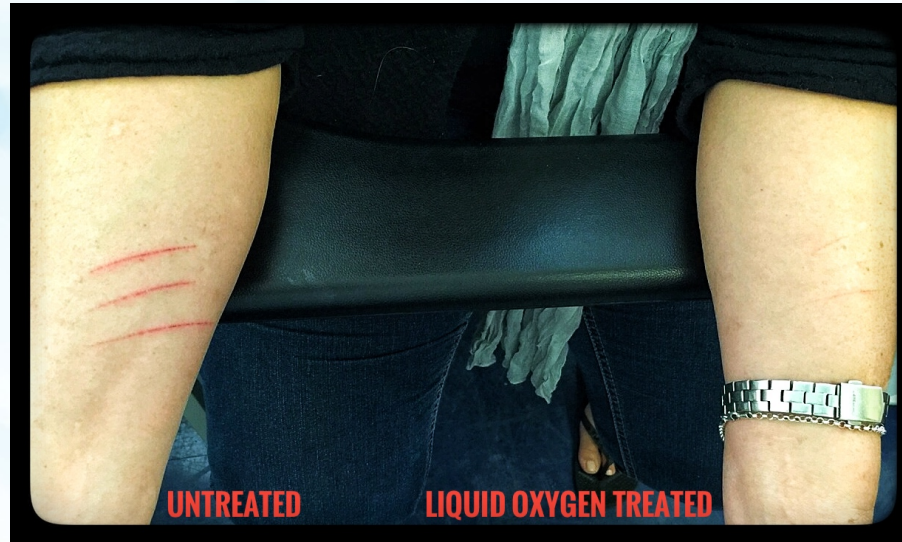
- (1) Nasal airflow improved by 61%**
- (2) Nasal congestion improved by 28%**
- (3) Rhinorrhea improved by 19%**
- (4) Itchy eyes improved by 27%**



The study concluded that LO 50% demonstrated statistically and clinically significant attenuations of the effect of the standardized antigenic challenge in a population of individuals with a history of seasonal allergic symptoms.

LIQUID OXYGEN CLINICAL TRIAL: Accelerated Skin Healing

The second arm of the Medicus Research investigation studied LO applications for skin repair. Identical scratches were made on subject forearms. One side was saturated with LO at 50% strength concentration in 2 hour intervals for a 24 hour period. The control side was left untreated. The untreated control scratch exhibited greater inflammation, scabs, and deeper redness of the injured skin tissue. The LO 50% treated side had less inflammation, lighter scabs, and some subjects were almost completely healed by the 24 hour period.



Clinical investigators concluded that LO 50% had remarkable properties to accelerate the healing process of injured skin and tissue rejuvenation.

Oxygen may be the rate limiting factor in early wound repair as it affects hydroxylation of proline and lysine, which is necessary for collagen synthesis and epithelial cell growth. Liquid Oxygen accelerates wound healing as it provides the additional energy required for cellular reparation.

CONCLUSION

The clinical trials executed by Medicus Research demonstrate the **bioavailability of Liquid Oxygen administered through different routes of delivery and its efficacy to treat various symptoms in those targeted areas.**

In particular, Liquid Oxygen is a **highly effective anti-inflammatory** as seen by its effect on sinus swelling/congestion and skin swelling immediately following tissue damage.

The **immune boosting** properties of Liquid Oxygen help the body flush histamines released during allergic reactions and the **accelerated healing of injured tissue.**

By Dr. George Yu, M.D., Aegis Medical Research, George Washington University

“Oxygen is the most important resource for man. We humans can live without food for 3 weeks, without water for 1 week, but only 60 seconds of oxygen deprivation and the brain cells begin to die.

After the third decade of life, there is a gradual decrease in our body’s ability to get the optimal amount of oxygen due to mechanical and lung tissue changes.¹ This progressive decline in total oxygenation, or “relative hypoxic state,” causes an acidic build up that is correlated with slow body decline. This age-induced hypoxia accumulates to a loss of 1mm/Mercury for every year after 60 in declining oxygenation.²

Historically in medicine, we have always searched for safe ways of getting additional oxygen for our needs. **Liquid Oxygen Drops 3X Professional Strength** is a safe and excellent source of oxygen supplementation that our body can utilize without any side effects. In as little as 20 seconds, this powerful oxygen **3X concentrate** will increase energy and mental acuity and is a natural alternative to stimulants, such as caffeine. It is **3 times more powerful** than the original formula making it highly effective and potent.

It has passed all certifications for efficacy and safe use in the USA, Canada, and worldwide. Since 1996, the company has created innovative oxygen products that have been used in luxury spas and clinics, high-end hotels, 22 major airlines, and in the Duty Free market worldwide.

It is like your portable hyperbaric chamber, but at a much lower cost and greater convenience.”

¹Sorbini CA et al (1968). Arterial oxygen tension in relation to age in healthy subjects. *Respiration* 25(1):3-13.

²Cerveri I et al (1995). Reference values of arterial oxygen tension in the middle-aged and elderly. *Am J Respir Crit Care Med* 152(3):934-41.

DR. YU'S PRESENT CLINICAL STUDY

Dr. Yu is testing how to use Liquid Oxygen 3X (LO3X) for general health as well as in certain clinical settings.

Sorbini CA *et al* (1968). Arterial oxygen tension in relation to age in healthy subjects. *Respiration* 25(1):3-13.

Cerveri I *et al* (1995). Reference values of arterial oxygen tension in the middle-aged and elderly. *Am J Respir Crit Care Med* 152(3):934-41.

1-We have used LO3X with people in various life-styles:

- People living in high density populations with poor air quality
- Professional airplane pilots
- People who travel to, or live, in high altitude places
- People who are athletic, young or old, to enhance physical performance and prevent lactic acidosis, such as while hiking, long distance running, rowing, or cross-country skiing

After taking LO3X, they describe a subtle facial flush with fullness of the head, around the ears, and some describe behind the eyes. Generally they felt good and alert and ready to work. Clinically, Dr. Yu has observed a slight redness of the facial complexion.

2-We have used LO3X with patients in clinical situations such as:

- Anemia from excessive menstrual bleeding
- Anemia from chronic diseases such as renal failure
- Chronic sinusitis in middle aged individuals

This group clinically shows improvement in energy levels. The next step is to further study these patients to monitor their symptoms with objective laboratory data such as arterial blood gases.

PILOT STUDY ON MEN WITH SLEEP APNEA AND HYPOGONADISM

Luboshitsky R *et al* (2002). Decreased Pituitary-Gonadal Secretion in Men with Obstructive Sleep Apnea. *J Clin Endocrinol Metab* 87: 3394–3398.

Presently, Dr. Yu has been looking to better define a condition postulated by Luboshitsky *et al* wherein obstructive sleep apnea (OSA) may be a primary cause of hypogonadism. Previous studies suggest that men with OSA have decreased nocturnal levels of luteinizing hormone and testosterone, possibly due to the combined effect of sleep fragmentation and hypoxia.

Dr. Yu is observing a cohort of men with OSA and low testosterone levels undergoing sleep studies at classical sleep labs, such as **Johns Hopkins Sleep Laboratory**. After defining their symptom complex and endocrine profile, the cohort will be treated with CPAP and **LO3X oxygen supplementation** as the first step. Directly before sleeping, subjects take LO3X via intra-nasal and oropharyngeal route. We also add LO3X into the CPAP moisturizing apparatus so subjects breathe it in all night. Next is the re-establishment of a normal testosterone profile to simultaneously improve their symptoms of fatigue, weight gain in adipose tissues, lack of libido and physical endurance.

PILOT STUDY ON BRAIN CANCER GLIOBLASTOMA

Thomas Seyfried (2012). *Cancer as a Metabolic Disease*. John Walle & Sons.

Poff AM *et al* (2013). The Ketogenic Diet and Hyperbaric Oxygen Therapy Prolong Survival in Mice with Systemic Metastatic Cancer. *PLoS ONE* 8(6): e65522. doi:10.1371/journal.pone.0065522.

A second clinical entity is the increasing trend to incorporate cancer metabolism with traditional chemotherapy, radiation and surgery to use a synergistic combination of treatments. It has been well known in medicine that cancer such as Glioblastoma (brain cancer) depends on “fermentation” (or Glycolysis) for growth, using sugar as fuel with or without oxygen.

Worldwide, clinical groups and scientists are studying the potential strategies to increase treatment effectiveness by “enhancing respiration.” By increasing normal mitochondrial functions in the total body environment, it shifts cellular activity away from unhealthy glycolytic processes to destroy cancer metabolism.

Nutrition using calorie-restricted ketogenic diet, as well as increasing “oxidative phosphorylation” (respiration using oxygen), seems to help retard cancer growth as an adjuvant addition to traditional treatment approaches.

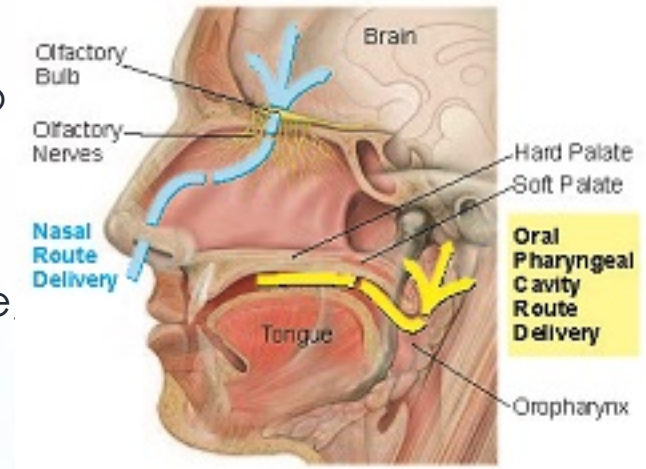
Thus far, “Hyperbaric Chamber” oxygen treatments and the use of the **Liquid Oxygen 3X**, along with metabolic agents such as Oxaloacetate to increase respiration, seem to have a positive effect. We need more studies to confirm these preliminary effects.

Dr. Yu's Recommended Routes of Delivery

For the fastest onset of action, I recommend the concurrent use of two delivery routes to maximize absorption and effect of LO3X:

- (1) nasal pathway in conjunction with**
- (2) oral pharyngeal route**

Intra-nasal delivery has immediate absorption to the brain via the cranial olfactory nerve which is reinforced by use of the oral pharyngeal cavity to induce rapid absorption into the central nervous system and circulatory system.



Nasal Route Delivery

The dosage I recommend is 10 drops (1/3 dropper length), 2x/nostril. As the olfactory nerve is in direct contact with the brain and cerebrospinal fluid, this method is the fastest onset of action, within 20 seconds. Studies demonstrate the efficacy of the nose brain pathway for delivery utilizing other molecules, such as insulin, to improve sugar metabolism in the brain cells.³

Oral Pharyngeal Cavity Route Delivery

Retaining 20-40 drops in the mouth for 30-60 seconds, move the LO3X in a “chewing action” while refraining from swallowing. Research has shown that isotopes administered in the oral pharynx moved rapidly to the brain (within 5 minutes) and in greater concentration.⁴ This is a different route of entry to the brain than by the intra-nasal olfactory nerve and involves non-specific diffusion.⁵ The advantage of administering through the Oral Pharyngeal cavity is that a greater amount of Liquid Oxygen may be utilized as compared to intra-nasal.

³Freiherr J et al (2013). *Intranasal Insulin as a Treatment for Alzheimer's Disease: A Review of Basic Research and Clinical Evidence*. *CNS Drugs* 27.7: 505–514.

⁴Maller O et al (1967). *Movement of Glucose and Sodium Chloride from the Oropharyngeal cavity to the Brain*. *Nature* 213, 713.

⁵Kare M et al (1969). *Direct Pathway to the Brain*. *Science* 163 952.

DR. YU'S RECOMMENDED USES

- Use it to accelerate the healing of cuts, abrasions, or wounds⁶
- Use it as a decongestant for stuffy nose, unlike medicated nasal sprays it has no rebound effect⁷
- Use it when tired at work but need that last boost of productivity, a better “pick-me-up” than coffee
- Use it for “jet lag” or when traveling to higher altitudes
- Use it exercising, aerobic or anaerobic, hiking, skiing, even weight lifting
- Use it if you don't have enough oxygen during sleep (such as due to sleep apnea)
- Use it when your red blood count is low (such as due to anemia or menstrual blood loss)
- Use it in tired, strained eyes (from driving or computer work)
- Use it when foggy and need to focus and be alert
- Use it to cleanse the mouth of microorganisms and freshen breath
- Use it to enhance other therapies (such as CPAP, HBOT and ketogenic diet)

USE AS MUCH AS YOU NEED OR WANT, IT WILL NOT HURT YOU.

LIQUID OXYGEN 3X is pH neutral with no contraindications.



⁶ Udani J (2015). *The Effect of Liquid Oxygen Skin Spray on Accelerating Healing of Skin Cuts, a Controlled, Cross Over Clinical Trial. Unpublished clinical trial.*

⁷ Udani J (2015). *The Effect of Liquid Oxygen Nasal Spray on Reducing Allergy Symptoms, a Controlled, Cross Over Clinical Trial. Unpublished clinical trial.*

FAQs



Will it start a free radical reaction in the body?

No, in fact, studies show that Liquid Oxygen has the potential to reduce free radical production and reduce oxidative stress. The reactive oxygen species (ROS) is specific to high liters per minute of gaseous oxygen, which is delivered differently than the Liquid Oxygen drops. ROS refers to excess oxygen in the lungs or other body tissues, which can be caused by breathing air or oxygen at pressures greater than normal atmospheric pressure.

How does it compare to ozone and hydrogen peroxide?

Ozone therapy, like hyperbaric oxygen therapy, is less accessible, more expensive and needs a qualified medical practitioner. Hydrogen peroxide is acidic and can potentially cause irritation and even burn the delicate mucosal membranes. It must be diluted and is not recommended topically. By comparison, Liquid Oxygen is pH neutral, requires no dilution and can be ingested directly or sprayed topically.

It is family friendly, appropriate for all ages, pets, and plants as well.

How much sodium is in it?

If you take Liquid Oxygen 3 times per day, this would equate to approximately 5mg of sodium. It is well below suggested levels for total daily consumption on the Supplements Chart and below recommendations for those on a low sodium diet.



Healthcare Practitioner's Wholesale Price List

LIQUID OXYGEN DROPS 3X, *Professional Strength* - Oral Pharyngeal or Sublingual Delivery

A safe and excellent source of oxygen supplementation to support health & wellbeing for adults and children.



Clinically tested. Doctor recommended.

No Contraindications, Non-Medicated, Non-Addictive, pH Neutral.
Enhances other therapies (such as HBOT and CPAP).

USES: Hypoxia · Sleep Apnea · Anemia · Toxin Elimination · Fatigue ·

Mental Alertness · Altitude Sickness · Jetlag · Daily Oxygen Supplementation

Contents: 30 mL / Approx. 45 Doses / 2 year shelf life

Case: 49 units – 10” L x 10” W x 5” H – 11 lbs



Healthcare Practitioner's Wholesale Price List

LIQUID OXYGEN 3X NASAL SPRAY, *Professional Strength*

A safe and excellent source of oxygen supplementation to support health & wellbeing for adults and children.

Clinically tested. Doctor recommended.
No Contraindications, Non-Medicated, Non-Addictive, pH Neutral
Enhances other therapies (such as HBOT and CPAP)

Intra-nasal delivery is a direct route to the brain, in as little as 20 seconds.

USES: Nasal Decongestant · Allergies · Colds · Pollution · Migraines · Snoring · Jetlag ·

Hypoxia · Sleep Apnea · Anemia · Toxin Elimination · Fatigue · Mental Alertness ·
Altitude Sickness · Daily Oxygen Supplementation

Contents: 30 mL / Approx. 45 Doses / 2 year shelf life

Case: 49 units – 10" L x 10" W x 5" H – 5.5 lbs

