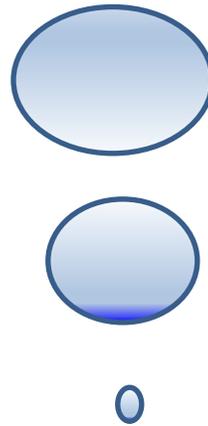


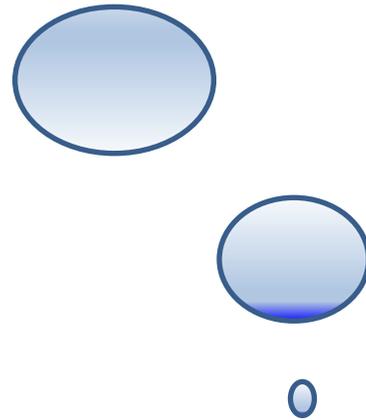


**Supplemental Oxygen Can Remedy both Low and High Carbon Dioxide  
Blood Levels to Improve Endurance:  
White Paper**



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**CHECK OUT THIS KEY TOPIC**

**Supplemental Oxygen Is Widely Used by Athletes and People Exercising to Remedy both Low and High Carbon Dioxide Blood Levels to Improve Endurance**

Supplemental Oxygen  
Blood Oxygen  
Carbon Dioxide Blood Levels  
Value of Exercise  
Remove Excess Carbon  
Dioxide

Eliminating Toxins in Body  
Improving Physical  
Endurance  
Replacing Oxygen  
Recreational Oxygen

Balance of Oxygen and  
Carbon Dioxide in Body  
Consumer Oxygen  
Oxygen Levels

**Supplemental Oxygen Works to Eliminate Toxins in The Body**

**Supplemental Oxygen Can Remedy both Low and High Carbon Dioxide Blood Levels to Improve Endurance**

LEXINGTON, Massachusetts (November 10, 2017) – WinterGreen Research announces that it has published a new study Supplemental Oxygen Can Remedy both Low and High Carbon Dioxide Blood Levels to Improve Endurance: White Paper. The 2017 White Paper has 14 pages. Supplemental oxygen used before and after exercise provides a key benefit of increasing endurance.

The conventional wisdom that we have all heard “exercise more and lose weight” is quite well established in our community at this time, but very few people succeeded with this seeming simple piece of advice. This white paper suggests that often more is needed in order to succeed with this simple statement. It is the straight forward addition of supplemental recreational oxygen that helps the body remove any excess carbon dioxide, replace any lost oxygen, and form carbon dioxide to aid delivery of oxygen to the cells. Therefore, the supplemental oxygen establishes a balance of oxygen and carbon dioxide inside the body.

## WinterGreen Research, INC.

According to Susie Eustis, lead author of the team that wrote the study, “We suggest that the balance of oxygen and carbon dioxide can quickly get out of balance in otherwise healthy people during exercise. We further suggest the addition of supplemental oxygen at 2 LPM helps the body establish a balance of oxygen and carbon dioxide by removing any excess carbon dioxide, replacing any lost oxygen, and forming carbon dioxide to aid delivery of oxygen to the cells.”

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, Bloomberg, and Thompson Financial.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

Key Words: Supplemental Oxygen Blood Oxygen Carbon Dioxide Blood Levels Value of Exercise Remove Excess Carbon Dioxide Eliminating Toxins in Body Improving Physical Endurance Replacing Oxygen Recreational Oxygen Balance of Oxygen and Carbon Dioxide in Body Consumer Oxygen Levels

## **Supplemental Oxygen Can Remedy both Low and High Carbon Dioxide Blood Levels to Improve Endurance**

### **Report Methodology**

This is the 725th report in a series of primary market research reports. WinterGreen Research has been preparing Oxygen market research studies on oxygen since 1985, documenting the value of supplemental medical oxygen. Supplemental oxygen for athletic use and for use during exercising has not been deemed medically relevant due in large part to the influence of flawed studies.

Studies about the value of supplemental oxygen have by and large had a focus on young athletes in their late teens or early twenties. This data has typically been extrapolated to cover assumptions about people of every age and weight. This paper looks at the increasing adoption of supplemental oxygen by professional athletes as they use oxygen during games to regain stamina during an performance to try to last through a game.

The analyst process is concentrated on getting good market numbers. This process involves looking at the use of supplemental oxygen from several different perspectives, including noting the scientific literature. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by supplemental oxygen vendor to validate the rapid adoption of supplemental oxygen by various subgroups of the general population, outside those groups of people who use supplemental oxygen for medical purposes.

Materials presented reflect analysis of the market trends in the segment and related segments. Over 200 in depth interviews are conducted for the white paper, reflecting information gathered from a broad range of key participants and industry leaders in the market segment.

Much of the information in the white paper has been developed from WinterGreen research proprietary data bases constructed as a result of preparing market research studies that address the medical oxygen, wearable device, and breathalyzer businesses.

## YOU MUST HAVE THIS WHITE PAPER

### Supplemental Oxygen Can Remedy both Low and High Carbon Dioxide Blood Levels to Improve Endurance

#### Table of Contents

#### Supplemental Oxygen

The study is designed to give a comprehensive overview of the recreational oxygen market segment. Research represents a selection from the mountains of data available of the most relevant and cogent market materials, with selections made by the most senior analysts. Commentary on every aspect of the market from independent analysts creates an independent perspective in the evaluation of the market. In this manner the study presents a comprehensive overview of what is going on in this market, assisting managers with designing market strategies likely to succeed.

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## About The Author

### Susie Eustis, Ph. D.,

Susie Eustis, Ph. D., Vice President of Development, member of the Board of Directors of WinterGreen Research. Dr. Eustis has worked with WinterGreen Research for almost 20 years on market research reports to determine size of future markets and identify best in class technologies. Her Ph. D. was on the optical properties of gold and silver nanoparticles. Her review article “Why Gold Nanoparticles are More Precious than Pretty Gold” which introduces the science and applications of gold nanoparticles is one of the premier articles in nanotechnology with more than 1,700 citations. Susie has been working with a VC group out of Washington DC, looking at start-up companies and innovation. Previously she was a Research Scientist at Directed Vapor Technologies International (DVTI), specializing in grant writing and grant execution as well as strategic project direction planning. Prior to DVTI, Dr. Eustis was a National Research Council (NRC) Post-Doctoral Associate at the National Institute of Standards and Technology (NIST) working on characterizing nanomaterials. She is a graduate of Georgia Institute of Technology Laser Dynamics Laboratory and Rochester Institute of Technology (RIT). She also participated in Research Experiences for Undergraduates (REU) at CERN (European Organization for Nuclear Research) in Geneva, Switzerland.

\*Members of the WinterGreen Research analyst team contributed to this white paper.

**About the WinterGreen Research Team:** The WinterGreen Research Team is comprised of senior analysts that prepare the market research and analysis that is offered to the client and developed using an iterative process to achieve a final study. Typical projects include providing market/viability research. The team can look at how drones can be applied to critical infrastructures safety, including: type of market existing, Barriers, Forecast demand and competitors, SWOT and competitive advantages, Price Analysis, product design recommendations (marketing orientation).

Research is typically for many different regions or localities, for example EU countries including Spain, UK, Nordic, Germany, and France. Typical projects profile the United States and areas of Asia. It is common to three representative countries from South America, Brazil, Argentina, Chile, and Mexico. Representative countries from Asia APAC typically include Japan, China, India, and Australia.

Critical infrastructure safety, including: type of market existing, barriers to entry and to faithful execution of product provision, forecast of demand, market share, SWOT, competitive advantage of major competitors, identification of new technologies and new companies, price performance analysis, product design recommendations, and marketing considerations are typical topics covered.

## ABOUT THE COMPANY

**WinterGreen Research**, research strategy relates to identifying market trends through reading and interviewing opinion leaders. By using analysis of published materials, interview material, private research, detailed research, social network materials, blogs, and electronic analytics, the market size, shares, and trends are identified. Analysis of the published materials and interviews permits WinterGreen Research senior analysts to learn a lot more about markets. Discovering, tracking, and thinking about market trends is a high priority at WinterGreen Research. As with all research, the value proposition for competitive analysis comes from intellectual input.

**WinterGreen Research**, founded in 1985, provides strategic market assessments in telecommunications, communications equipment, health care, Software, Internet, Energy Generation, Energy Storage, Renewable energy, and advanced computer technology.

Industry reports focus on opportunities that expand existing markets or develop major new markets. The reports access new product and service positioning strategies, new and evolving technologies, and technological impact on products, services, and markets. Innovation that drives markets is explored. Market shares are provided. Leading market participants are profiled, and their marketing strategies, acquisitions, and strategic alliances are discussed. The principals of WinterGreen Research have been involved in analysis and forecasting of international business opportunities in telecommunications and advanced computer technology markets for over 30 years.

The studies provide primary analytical insight about the market participants. By publishing material relevant to the positioning of each company, readers can look at the basis for analysis. By providing descriptions of each major participant in the market, the reader is not dependent on analyst assumptions, the information backing the assumptions is provided, permitting readers to examine the basis for the conclusions.

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