

cocoon[®]

by O₂enes



Make Every Breath Count.
by Dr Josh since 2017



ABOUT O2GENES

Based in Singapore and established in 2017, with more than 7 years of experience in the oxygen wellness industry. O2genes prides itself on healthy living through nature's finest - oxygen.

More than a HBOT Supplier

Unlike conventional HBOT suppliers who simply sell equipment and leave you to manage your own installation and maintenance, O2genes offers comprehensive support. We collaborate with you to tailor protocols for both you and your clients, ensuring optimal results. Additionally, we provide marketing assistance and access to a global network of wellness and medical professionals, empowering you to succeed in your HBOT practice.

100% Safety

We only work with the best materials, technology & industry experts to deliver the gold standard of Hyperbaric Cocoon® to you. Ensuring exceptional quality standards is of utmost importance to us, especially when it comes to the air you breathe in.

Professional Service and Training

Our dedicated team is here to cater to your every need, and deliver an unparalleled experience from end to end. We offer professional staff training led by Dr. Josh, providing expertise and guidance every step of the way.

Grounded in Research & Evidence

EVIDENCE-BASED

O2genes Cocoons® are backed by clinical studies and research, client and doctor testimonials, as well as concrete evidence demonstrating the efficacy of our protocols and technology across various cases, making them thoroughly researched and evidence-based solutions.

Testimonials



“I love how the Cocoon® is so spacious inside! I don’t feel claustrophobic at all!” - Client J



“The Evexia Cocoon® is suitable for me and my child who has special needs, and he enjoys being inside!” - Client D



“I use the Cocoon® everyday to rejuvenate myself and feel more refreshed.” - Client A



“ I am a Physiotherapist and my clients have shared their sleep improved, and they feel more refreshed after using the Cocoon®” - Client P



“ It is a good way to recover and feel more energised, especially for those that are active in sports” - Client F

Clinical Advisory Board

Medical Partners in Singapore



Dr Gerard Ee

The Clifford Clinic

50 Raffles Pl, #01-01, Singapore Land Tower, Singapore 048623



Dr Deibby Mamahit

Brainworks

107 North Bridge Rd, #04-13 Funan, Singapore 179105

Medical Partners in Indonesia



Dr Putri Wulandari - Medan

Alexandra Wellness

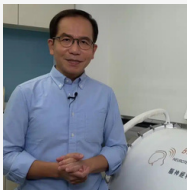
Medan Focal Point Mall, Level 1, Jl. Ring Road, Asam Kumbang,
Kec. Medan Selayang, Indonesia



Cosmed Clinic - Jakarta

Puri Kencana, Puri Bugar Blok L6 B-C-D, Daerah Khusus Ibukota
Jakarta 11610, Indonesia

Medical Partners in Hong Kong



Dr Sam Ng - Tsim Sha Tsui

Brain Vision Neurotechnology & Brain Health Center Rm 1104-5,
Albion Plaza, 2-6 Granville Rd, Tsim Sha Tsui, Kowloon

About Hyperbaric Oxygen Therapy (HBOT)

Hyperbaric oxygen therapy (HBOT) involves breathing up to 100% oxygen in a specially designed Cocoon® where the atmospheric pressure is increased between 1.5 times to 2 times higher than normal atmospheric pressure.

This elevated pressure facilitates the compression of oxygen molecules, enabling them to penetrate into the deeper layers of our bloodstream.

The increased in oxygen concentration triggers a series of photochemical reactions within the mitochondria, leading to an increase in ATP production. As a result, the cells have more energy available to perform their various functions efficiently.

Hence, hyperbaric oxygen therapy accelerates the body's natural healing processes, promotes the repair of damaged tissues, and strengthens the body's immune system.

Mild hyperbaric oxygen therapy, typically conducted at pressures below 2 atmospheres, is generally considered safe with minimal risks for most individuals. This safety profile allows for its common availability in spa and wellness facilities, and even homes, where medical supervision is not required.

The Science Behind HBOT

1 HYPER-OXYGENATION

At a higher atmospheric pressure, our blood and the blood plasma is saturated with oxygen. This improves the delivery of nutrients and oxygen to the body.

2 ANGIOGENESIS

Thus, this facilitates the creation of new blood vessels to deliver blood and nutrients to areas which it previously could not reach.

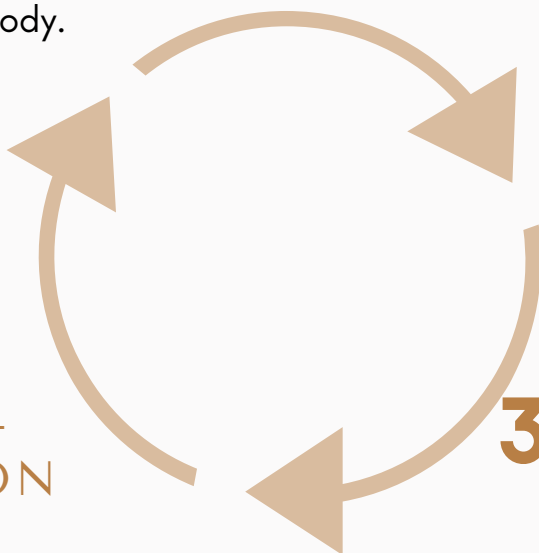
4 STEM CELL ACTIVATION

With the newly available energy, stems cells can be activated for regenerative benefits.

This enables the body to recover faster naturally, increases our energy levels, and enhances our cognitive abilities

3 MITOCHONDRIA PERFORMANCE

Hyper-Oxygenation provides the ingredients required for adenosine triphosphate (ATP) synthesis, the energy required to strengthen our body's immune system.



Celebrities and Luxury Hotels using Hyperbaric Oxygen Therapy

Justin Bieber Ditches Mattress, Now Sleeps in Hyperbaric Oxygen Chamber

by [Sarah Riccio](#) | Updated: June 2, 2021

What Kendall Keeps In Her “Wellness Room”

BY HANNAH COATES

16 June 2022

Cristiano Ronaldo Installs High-Tech Oxygen Chamber In His Home To Help Improve Fitness Levels

Chamber of secrets! Why the A-listers and athletes love hyperbaric oxygen therapy

Pure, pressurised oxygen is the new craze for the A-list. Luciana Bellini breathes it all in



BVLGARI
HOTEL LONDON


CORINTHIA
HOTELS

DRUSKININKAI


HOTELS

Why O2genes?

Comprehensive End-To-End Service

Professional Service and Maintenance

O2genes will come by for regular service and maintenance of the Cocoon®. This includes a safety and pressure test, Class A long-lasting disinfectant coating to achieve ASTM (D4060) (American Standard), as well as change of HEPA air filters.

ISO and CE Certified Hyperbaric Oxygen Cocoon®

ISO 9001, ISO 13485, ISO 14001, ISO45001

Proprietary Automated Medical Protocol Settings

Only HBOT Manufacturer with proprietary system following Professor Shai Efrati's Hyperbaric Oxygen Therapy Medical Protocol Settings

Professional In-Person Training

Professional in-person HBOT training conducted by Dr Josh, certified by IHA-USA and SHUMEC. Option for scheduled professional re-training on a periodic basis.

Support for Safety

O2genes will provide a comprehensive list of contraindications along with a legally binding health and indemnity safety form for clients to sign. This documentation serves as a reference for the provider when delivering hyperbaric oxygen therapy services and ensures legal protection for the provider.

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by O₂genes

GET IN
TOUCH



@O2genes



jolene.ng@o2genes.com



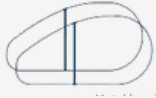
+65 8802 9507



www.o2genes.com

Elite Excellence

Gold-Class Standard



Built to follow NFPA_99 and ASME-PVHO-1 requirements, certified by ISO 9001 and CE 2001 95.

Carbon Steel or Stainless Steel Hard Shell, Premium Aluminum-Alloy Valves, German-Made WIKAI Pressure Gauges



Made of TPU (Thermoplastic Polyurethane), the optimal choice due to its remarkable combination of durability, flexibility, and biocompatibility. It can withstand pressure changes, and is safe and hypoallergenic



Cocoons® are tested to its limits and can withstand up to 2.0ATA. With margins of safety, we set the maximum pressure safely at 1.5ATA with two safety relief valves for redundancy and added security.



Air-Conditioner with rapid water cooling system and dehumidifier to eliminate dust and prevent the buildup of mould and bacteria.



All-Encompassing Safety Features - Two automatic Pressure Safety Relief valves, Emergency Safety Control valve, Two Pressure Gauges.



Automatic Timer and Pressure Control to facilitate ease of Cocoon® usage by customising it to individual needs and requirements.



High-Efficiency Particulate Air (HEPA) filters and carbon filters connected with laboratory grade hoses to improve air quality, reduce allergic reactions, remove virus and bacteria, eliminate odour and reduce dust build-up for optimal comfort.

Professional End-To-End Service

Service Excellence



Local On-Demand Support by Trained Hyperbaric Technicians



Local Set-Up & Delivery



Regular Service & Maintenance including Pressure Safety Tests, Oxygen Concentration Tests and Change of Air Filters



3 years Warranty



Professional Expertise on SOPs, Safety & Operational procedures by Dr. Josh who is certified by IHA-USA and SHUMEC.

Unparalleled Performance

Optimal Performance



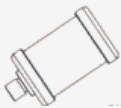
Best-In-Class at 1.4ATA - 1.5ATA, as recommended by medical research studies for optimal efficacy



Pressure Swing Absorption (PSA) Technology for strong and steady stream of up to 96% Pure Oxygen



Crafted to endure a lifetime. Integrates premium features, accessories, and cutting-edge technology



Silent Relief Valves with noise levels of <65 decibels



State-Of-The-Art Pneumatic System with Strong and Steady Oxygen flow of 10L/min and Air flow of 120L/min.



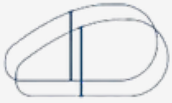
User Friendly - Single user is able to operate the Cocoon® at ease and monitor the pressure while inside



Low Running Cost and Low Maintenance. Electrical consumption similar to that of an air-conditioner unit. Utilizing an oxygen concentrator obviates the necessity for oxygen tank replacement and alleviates safety concerns.

Premium Comfort and Design

Luxurious Design



Designed & Assembled in Singapore by Dr. Josh



Implementing two-way communication enables seamless interaction with users within the Cocoon®



Wide Fortified Window Panes to allow light to enter, hence preventing claustrophobia



Ambient Mood Lighting with customisation options for reading or relaxing



Natural Aromatherapy Scent to reduce stress, enhance relaxation and improve sleep quality



Compatible with Portable Electronic Devices



COMFORT

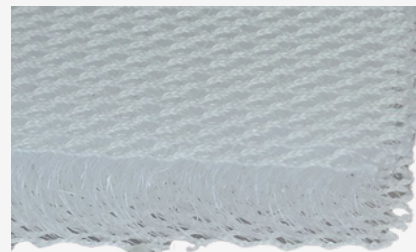
Crafted from premium quality foam mattress, our Cocoons® feature a uniquely curved bottom, ensuring a snug and comfortable fit within the Cocoon® structure. This design detail enhances both the ergonomic support and overall aesthetic appeal of our Cocoons®, creating an inviting space for relaxation and rejuvenation.

Features of Mattress

- Tested to be Fire-Resistant
- Non-Comedogenic
- Anti-Bacterial Performance
- Washable Removable Cover
- Comfortable: Orthopedic Memory Foam Mattress that hugs you nicely when you sleep
- Non-Flammable Breathable Anti-Wicking Material: Dissipate Heat and Moisture, doesn't absorb sweat



Orthopedic
Memory Foam Mattress



Fire-Resistant
Breathable Anti-Wicking Material

COCOON[®]

by O₂scnes



COCOON[®] ELITE PRO

O₂scnes



cocoon[®]
by O₂genes

CATALOG



Hard Shell Cocoon

Introducing the O2genes Hard Shell Cocoon® - a true game changer in the world of luxury high-tech wellness. Crafted with excellence, this exceptional Cocoon® is constructed from full stainless steel that not only guarantees anti-rust protection, but also reflects a timeless elegance. All our hard shell cocoons® are ISO 9001 accredited.

The Epitome of Luxury Wellness



Stylish Alloy
Valves



Full Leather
Massage Recliner



Two-Way LED
Control Panel



Full Leather
Massage Recliner



Elixir Cocoon®

Specifications

Dimensions: 1.8m (length), 1.8m (width), 2.2m (height)

Voltage: 220 - 240V, 50Hz

Maximum Power: 4.5 KVA

Weight: 850kg (1.5ata), 1250kg (1.99ata)

Optimal Performance

1.5ATA/1.99ATA

Oxygen Flow: 10L/min

Oxygen Concentration: 96%

Adjustable Pressure Settings by 0.1,

Only wellness HBOT equipment equipped with **Air-Break Hyperbarics Technology adhering to Medical HBOT Protocol** - 20 Mins Oxygen Flow, 5 Mins Air Flow

Two-Way Premium All-In-One Touch Screen Control Panel

Silent Relief Valves <60 decibels

Water-Cool Air-Conditioner for rapid cooling as compared to Air-Cool

Quality

Made of Carbon Steel - **3X Stronger than Aluminium Alloy to withstand constant pressure for a prolonged period of time**

Stainless Steel Bands

Durable Polycarbonate Sliding Door

Fortified Window Panes

Verified to be Explosion-Resistant

Comfort

Premium and Luxurious Leather Interior

Premium Leather Reclining Sofa

Natural Light from Large Fortified Door

Safety

Emergency Safety Stop Buttons

Emergency Relief Valves

Safety Passcode Enabled To Administer Pressure Above 1.5ata

Service & Maintenance

HBOT Protocols Advisory by Dr Josh, Certified by International Hyperbarics Association and SHUMEC

Local Assembly

Regular Service and Maintenance inclusive of Filters replacement and Safety Tests

Warranty

3 Years Warranty

Gold-Class Standard

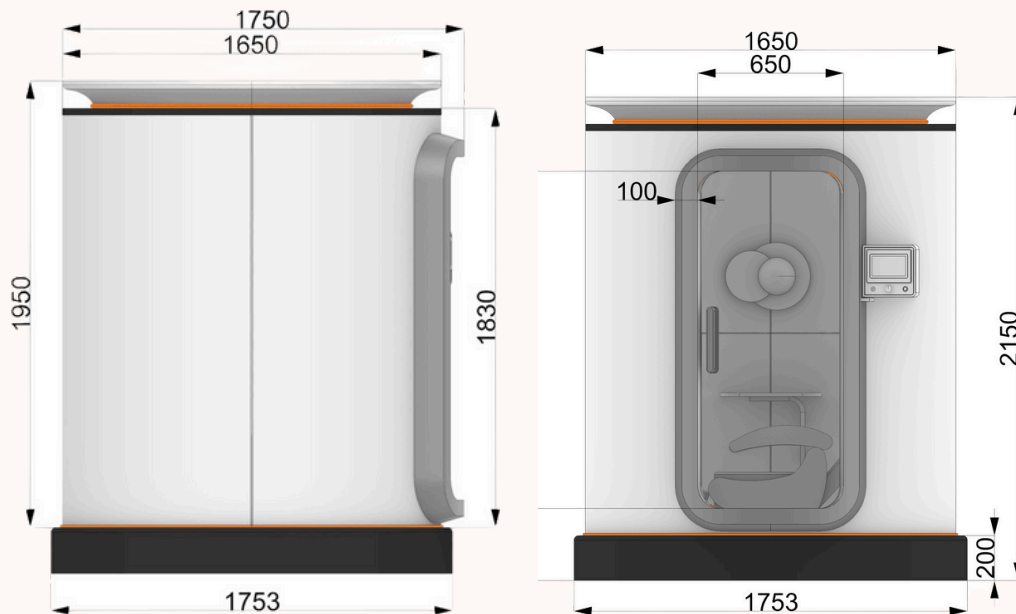
Designed and Assembled in Singapore. Adheres to strict safety standards in Singapore. Burst tested beyond its recommended pressure to ensure the highest safety.

AeroPure System with Dehumidifier and Automatic Condensation Drainage to prevent the buildup of mould and bacteria

High-Efficiency Particulate Air (HEPA) Filters with laboratory grade hoses to eliminate odour and reduce dust build-up.



Luxurious Interior with Warm and Reading Lamps



Sleek Curve Design



Zia Cocoon®

ISO & CE Certified

Length ISO 13485, ISO 9001, ISO 12101
Euro Cert 2014/68/EU, ANNEX III (MODULE A2),
Width 0.75m

Specifications

Dimensions: 2.5m (length), 0.8m (width), 0.8m (height)

Voltage: AC 220v, 50Hz

Weight: 150kg

Optimal Performance

2.0 ATA

Flow of Air: 72L/min

Flow of Oxygen: 10L/min

All-In-One Touch Screen Control Panel
located both internally and externally

Pressure Swing Absorption (PSA) Technology of up to
96% Pure Oxygen

Silent Relief Valves with noise levels of <60 decibels

Quality

304 Stainless Steel; Durable and Rust-Free

No Welding For Maximum Durability

Durable Polycarbonate Sliding Door

Fortified Window Panes

Verified to be Explosion-Resistant

Comfort

Premium and Luxurious Leather Interior

Premium Leather Reclining Sofa

Adjustable Lighting Options

Safety

Emergency Safety Stop buttons
located on the interior and exterior

Emergency Relief Valve located
on the interior and exterior

Service & Maintenance

Set Up by O2genes Professional
HBOT-Trained Team

Regular Service and Maintenance
inclusive of replacement of air filters

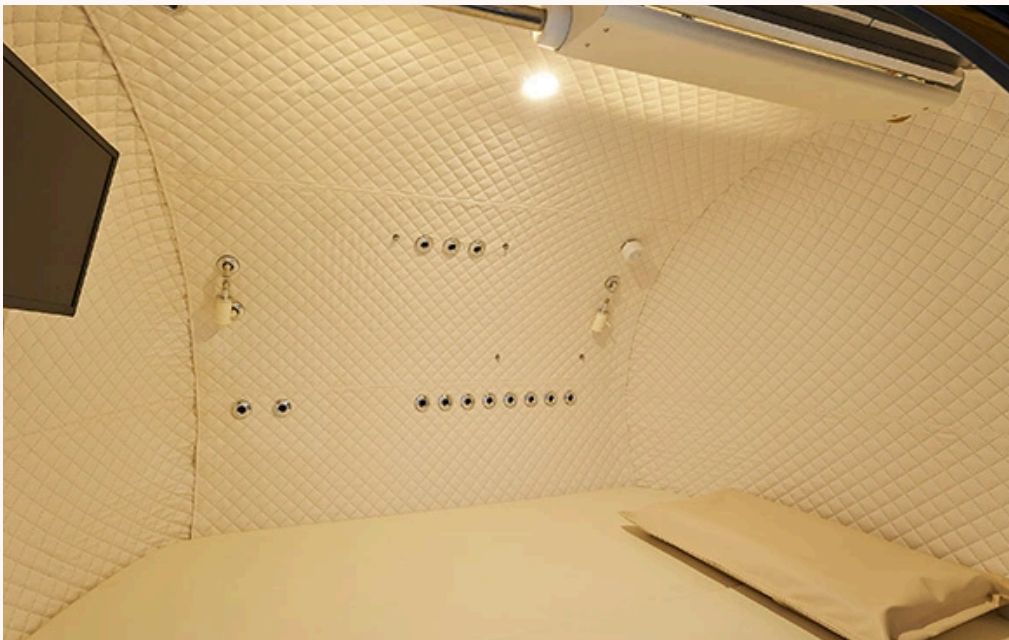
Warranty

3 Years Warranty, Extended Up to 5 Years

Gold-Class Standard

AeroPure 8 in 1 Air Detoxification System: Pre-filter, HEPA,
Activated Carbon, Titanium Photocatalytic, Oxidation, UV
Lamp, Ozone, Plasma, Ionization

Titanium Oxide Class A disinfectant coating to achieve
ASTM D4060 (American Standard) for long-lasting
effectiveness against viruses.



Memory Foam Mattress



Large Fortified Window Pane



COCOON
by O₂enes

Dawn Cocoon®

ISO & CE Certified

ISO 13485, ISO 9001, ISO 12101

Euro Cert 2014/68/EU, ANNEX III (MODULE A2)

Specifications

Dimensions: 2.5m (length), 1.6m (width), 1.8m (height)

Voltage: AC 220v, 50Hz

Maximum Power: 1250W

Weight: 420kg

Optimal Performance

2.0 ATA, Multi-Place (1-4 Pax)

Flow of Air: 140L/min

Flow of Oxygen: 20L/min

All-In-One Touch Screen Control Panel
located both internally and externally

Pressure Swing Absorption (PSA) Technology of up to
96% Pure Oxygen

Silent Relief Valves with noise levels of <60 decibels

Quality

304 Stainless Steel; Durable and Rust-Free

No Welding For Maximum Durability

Durable Polycarbonate Sliding Door

Fortified Window Panes

Verified to be Explosion-Resistant

Comfort

Premium and Luxurious Leather Interior

Premium Leather Reclining Sofa

Adjustable Lighting Options

Safety

Emergency Safety Stop buttons
located on the interior and exterior

Emergency Relief Valve located
on the interior and exterior

Service & Maintenance

Set Up by O2genes Professional
HBOT-Trained Team

Regular Service and Maintenance
inclusive of replacement of air filters

Warranty

3 Years Warranty, Extended Up to 5 Years

Gold-Class Standard

AeroPure 8 in 1 Air Detoxification System: Pre-filter, HEPA,
Activated Carbon, Titanium Photocatalytic, Oxidation, UV
Lamp, Ozone, Plasma, Ionization

Titanium Oxide Class A disinfectant coating to achieve
ASTM D4060 (American Standard) for long-lasting
effectiveness against viruses.



Memory Foam Mattress



Leather Sofa Recliner

	Carbon steel	Aluminium alloy	Stainless steel
Grade	S275	EN AW 6061 T4	EN 1.4401(316)
Material yield strength σ_y or $\sigma_{0.2}$ (N/mm ²)	275	110	220
Young's modulus E (N/mm ²)	210000	70000	200000
Strain at fracture A_o (%)	24	12	45
Density ρ (kg/m ³)	7850	2700	8000
Thermal expansion coefficient α (K ⁻¹)	12×10^{-6}	23.2×10^{-6}	16×10^{-6}
Thermal conductivity k (W/mK)	54	250	16
Total amount of material recycled (%)	60 ^a	70 ^a	70 ^a

^a Department of trade and industry, 2005

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by O₂genes

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