Achieve o2, a Leader in New Technologies, is Proud to Introduce:

A New Breakthrough in Textile Technology
CLINICALLY PROVEN TO INCREASE OXYGEN AND REDUCE PAIN

FOR SUPERIOR MOISTURE MANAGEMENT AND ODOR CONTROL
What is celliant?

Celliant is a patented formulation of specifically selected materials that are refined into micron-sized particles and imbedded into the fiber during extrusion. The Celliant particles become a permanent part of the fiber.

Celliant non-invasively promotes overall wellness.
What does Celliant DO?

Celliant is:

- Clinically proven to reduce pain
- Clinically proven to increase oxygen levels in the body

Increased oxygen aids in:

- Muscle recovery and faster healing
- Increasing strength, energy and endurance
- Heightening athletic performance
- Reducing swelling and fatigue
- Enhancing comfort and well-being
- Balancing body temperature
- Improving sleep quality
Clinical Trials

Trial 1 Objective
Measure the ability of Celliant to increase transcutaneous oxygen levels in the body on a challenged population.

Conducted in 2003 by Dr. L Lavery DPM, MPH, Associate Professor in the department of orthopedic surgery and rehabilitation at Loyola University Medical Center in Chicago in conjunction with the Hines Veterans Memorial Hospital.

Results 8% to 12% increase in oxygen levels

“Compelling and Significant”

Facts
• Double blind study
• All participants had a history of vascular disease and diabetes
• Results were statistically significant
Clinical Trials

Trial 2 Objective:
Measure the ability of Celliant to increase transcutaneous oxygen levels on a healthy population

Conducted in 2005 by DR. Graham McClue, PH.D, a researcher with Hyperbaric Treatment and Straining Services LTD

Results 10% to 24% increase in oxygen Levels

Facts
Double blind study
All participants were healthy men and women
Statistically significant results
Clinical Trial

Trial 3 Objective:
Determine the ability of Celliant to relieve pain

Conducted in 2008 by Dr. Ian Gordon M.D., PHD, UCI Medical Center in conjunction with the UC Irvine Medical Center

Detailed results of this clinical trial were published on April 20, 2009 by BioMed Central and results of the full article can be found in the BMC Journal of Complementary and Alternative Medicine. You may access the study at the following URL:
http://www.biomedcentral.com/1472-6882/9/10/abstract

Results: Celliant reduces pain

Facts:
Double blind study
Large population
Statistically significant positive results
SLEEP STUDY

Objective:
Measure the effects of Celliant to increase oxygen levels and regulate body temperature using Celliant mattress pads

This study was conducted in 2007

The overview of the results:
Celliant had a positive measurable impact on both increased oxygen levels and body temperature.

Increase in oxygen, better body temperature and decrease of pain is known to improve quality of sleep
Benefits of Celliant

Three Clinical Trials have proven that Celliant:
  - Reduces Pain
  - Increases Oxygen levels in the body

View Celliant Video with interviews with Dr. L. Lavery, DPM, MPH; Dr. Graham McClue, PH.D; Dr. Ian Gordan M.D., PHD

http://www.celliant.com/video
Celliant oxygen increase

Effects of Celliant on oxygen levels in the body

In clinical testing, Celliant has been proven to increase oxygen levels in the body—which is widely recognized to aid in comfort, healing and recovery.
Celliant Temperature

Effects of Celliant on temperature levels in the body

**Before**
Body temperature differential between core and extremities.

**After**
More even distribution of body temperature with Celliant.

Celliant has been proven in clinical testing to help regulate body temperature. With Celliant your hands and feet maintain more comfortable temperature levels.
Celliant Applications

- Socks - Medical and Performance
- Apparel
- Pillows
- Mattress pads and ticking
- Shoe linings
- Medical wraps and associated products
- Insoles
- Bed sheets
- Equestrian and pet products
- Insole top covers and pads
Holofiber/Celliant Press

AS SEEN ON OPRAH!

As Seen on NBC-TV's TODAY Show
Features & Benefits

• Engineered, Permanent Performance

• Moves Moisture & Dries Quickly

• Less Time In Dryer = Measurable Energy Conservation

• Enhances Body Comfort

• Soft, Natural Fiber Hand

• Easy Care - Low Maintenance Apparel

• Functional and Fashionable
A Hand Like No Other

Natural Fibers Provide a Natural Feel
Features & Benefits

Odor Neutralizer System
Built into Yarn – Not a Topical Treatment
Fabrics Do Not Retain Body Odor
Maintains Skin’s Natural Balance
Eco-Friendly
What is FreshGuard®?

• FreshGuard is an odor neutralizer that does not allow oily odor bodies to attach themselves to a garment’s fabric.

• FreshGuard is not an anti-microbial or a bactericide, which kill bacteria, even those that possess positive functions. It is a bacteria-stat, which limits the growth and production of odor bodies by bacteria.

• FreshGuard is not a topical finish. It is a system that is built directly into the yarn in the Dri-release® fabric. FreshGuard inhibits the environment necessary for bacteria growth inside of fabric without the use of noxious chemicals.

• The FreshGuard elements are permanently in the fabric. Dri-release and FreshGuard work together to absorb moisture and quickly release it through the fabric and into the air, which also minimizes odor creation.

• FreshGuard’s function is to reduce the odors created by bacteria within the fabric in an environmentally friendly way.
Comfort Lab testing proves Dri-release® keeps you cooler & drier than Coolmax®

Here is an example of a comfort test conducted in our Optimer comfort facility in Delaware. We expanded our Yale studies to test Coolmax versus our Dri-Release in t-shirts. A t-shirt was created from half Dri-Release and half 100% polyester Coolmax fabric. Both fabrics were the same weight and construction. Two relative humidity sensors were taped to a subject’s back close to their arms. The subject was at rest for ten minutes to show that the relative humidity sensors initially register the same levels of relative humidity. The subject was then asked to get onto a NordicTrak and workout for a period of 20 minutes. Notice that the Dri-Release side keeps the athlete closer to the ambient relative humidity of the room. This indicates that the Dri-Release fabric is keeping the athlete cooler and dryer during their workout.
### Water Release Rate (WRR) at 0-5 Minutes

Comparison of average WRR - % water released per minute - during the time range of 5 minutes before dryness to dryness. The fabrics in this time range are at the critical 0-5% Moisture. This is the most critical range, because it's when it is most noticeable by the wearer. This initial high WRR will also inhibit the moisture build-up during, for example, a normal exercise routine, when most persons do not exceed a few % moisture. In this instance, the dri-release fabric is drying more than 3 times faster than Comfortrel.

### Water Release Rate (WRR) at 10-15 Minutes

A comparison of average WRR - % water released per minute - during the time range of 10-15 minutes before dryness to dryness. Although not as critical as the range near dryness it is important to show that the dri-release is consistently drying faster.
Coolmax vs Dri-release®

0-5 Minutes before Dryness (1-5% Moisture)

- Coolmax: 0.726
- Dri-release: 1.23

10-20 Minutes before Dryness (5-30% Moisture)

- Coolmax: 1.65
- Dri-release: 1.81

Water Release Rate - % Per Min.
Under Armour staple vs Dri-release®

Comparison of water release rate between Under Armour staple and Dri-release®

- UA Staple 3.7 oz/sq yd
- Dri-release 3.6 oz/sq yd

Graph showing:
- Water Release Rate % Per Min
- 0-5 Minutes before Dryness (1-5% Moisture) vs 10-20 Minutes before Dryness (5-30% Moisture)
Stain Release Testing

Milk: 5.0
Mayonnaise: 5.0
Orange Juice: 5.0
Butter: 5.0
Cola: 5.0
Coffee: 4.0
Mustard: 3.5
Ketchup: 1.5
Tea: 1.0

Testing conducted by US Testing
Scale: 5 (best) – 1 (worst)
White Anvil T-shirt
Who trusts dri-release® technology to their products?

Academy Sports & Outdoors
Adidas
Altis
AGS
Alo
AltStyle
Atmaya
Away
Art di Como
Atles
Bass Pro
Bhane
Beehive
Billabong
Blunt Bay Outfitter
Bodet & Borst
Brooks
BSN (Medical)
Burton
Calteka’s
Cal Cru
Can Socks
Carol B. Bechhmann
Casall
Columbia
Comfort Therapy
Cooljamas
Crockett & Jones
CTR (Chaos Thermal Regulation)
Cuddi'z
Daks
Danner
Daggyren
Dillard's
Disney
dri-MORE

Darda
Eagle USA
ECCO
Element
En-Day
Er Offiello
Etto Tabaldo
Globetropper
Gold Toe
Gordit
Go Sport
B3D
Basehounds
Barley-Davidson
Barlow Wear
Bally Clothing
Bomby Toad
Burr
Topo
Inteas
Intersocks
Intersports
Iowa
Jul B Sports
Jockey
K3
Kamakura
Kean Roothr
Kombi
Kunert
Kyra-K
Lamont
Lands’ End

Latitude 18
Lendy
Lladaer
Logan Miller
Lore
Lukasmon
Maxim
Mark's Work Wearhouse
Marmot
Maxwell Lacrosse
Medelita
Mehdi
Millet
Mountain Hardware
Naukia
Nautica
Neat
Nike
Nordica
Northern Tracks
Northernstrom
Oakley
Oselle
Oboe
Outdoor Research
Padel Murphy
Peak Performances
Polo RLX
Projet
Puma
Quiksilver
Rapala Racing

REI
Rip Curl
Roblox
Roomwear
Rory
Rugby Imports
Salomon
Salt&
Seger
Skeab
Skeena
Sporway Wearever
Sports Science
Sportae
Start Sky
Sweat
Terra
Tennex
Terry-Peeke
Ternuma
Tlerra
Top 24
Toolsbed
TravelSmiths
Union Bay
US Military
Yukon
Wigwam
Wild Bike
Woodh
WP Bone
Hangtags
**AO2: Celliant with dri-release**®

24 year old female non-smoker; Room 75±1°F
Fabric placed over torso and shoulders; sensor on right forearm

<table>
<thead>
<tr>
<th>Time</th>
<th>Control</th>
<th>Celliant with dri-release</th>
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<tbody>
<tr>
<td>30 min</td>
<td>0%</td>
<td>1.5%</td>
</tr>
<tr>
<td>60 min</td>
<td>0%</td>
<td>7.6%</td>
</tr>
<tr>
<td>90 min</td>
<td>0%</td>
<td>8.3%</td>
</tr>
</tbody>
</table>

*TcpO2 = transcutaneous oxygen partial pressure*
DRY ENGERY™
TWO GREAT TECHNOLOGIES
ONE MAGNIFICANT YARN

Why Combine these two great technologies?

• One yarn for all your products
• Real Value for the consumer
• Brand Recognition
• Applicable for all markets - sports - medical - apparel - hosiery - sleep
• One of a kind yarn, Nothing else like it in the marketplace
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SUITE 3
BEVERLY, MA 01915
(978) 712-4355
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