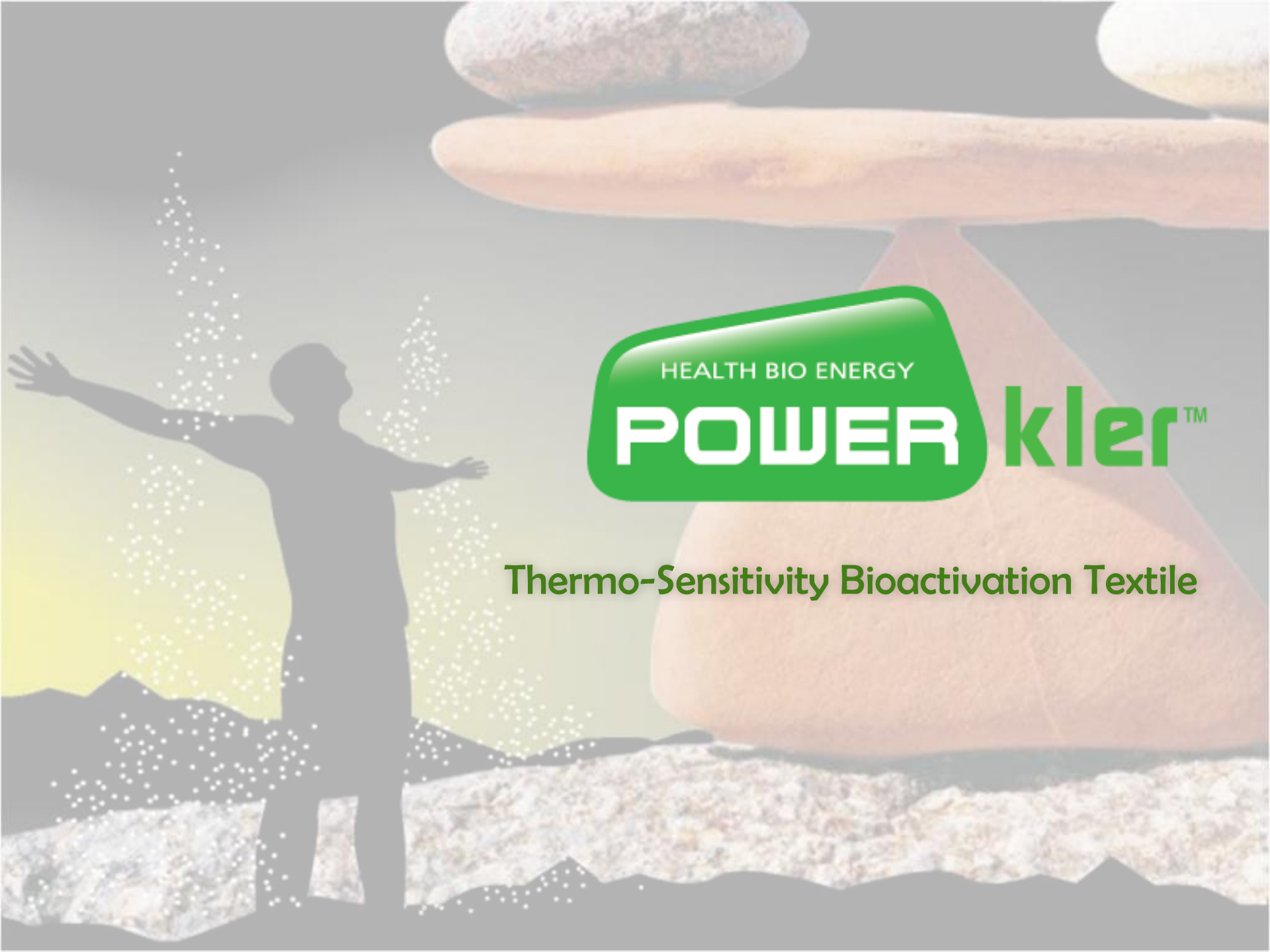

HEALTH BIO ENERGY
POWER kler™
Thermo-Sensitivity Bioactivation Textile

Main Features

I

Reduction of Muscle Fatigue during Exercise
Compare to other clothes, POWERkler helps to excrete less lactic acid during and after physical exercise

II

Improvement in Exercise Capacity
POWERkler increases overall muscle endurance

III

Improvement in Microvessel Blood Flow
Bio-Energy helps blood to flow smoothly by releasing Rouleaux formation

IV

Reduction in the Emergence of Active Oxygen
POWERkler reduces creation of active oxygen, one of risk elements that involves with 90% of every disease including aging and various cancers

V

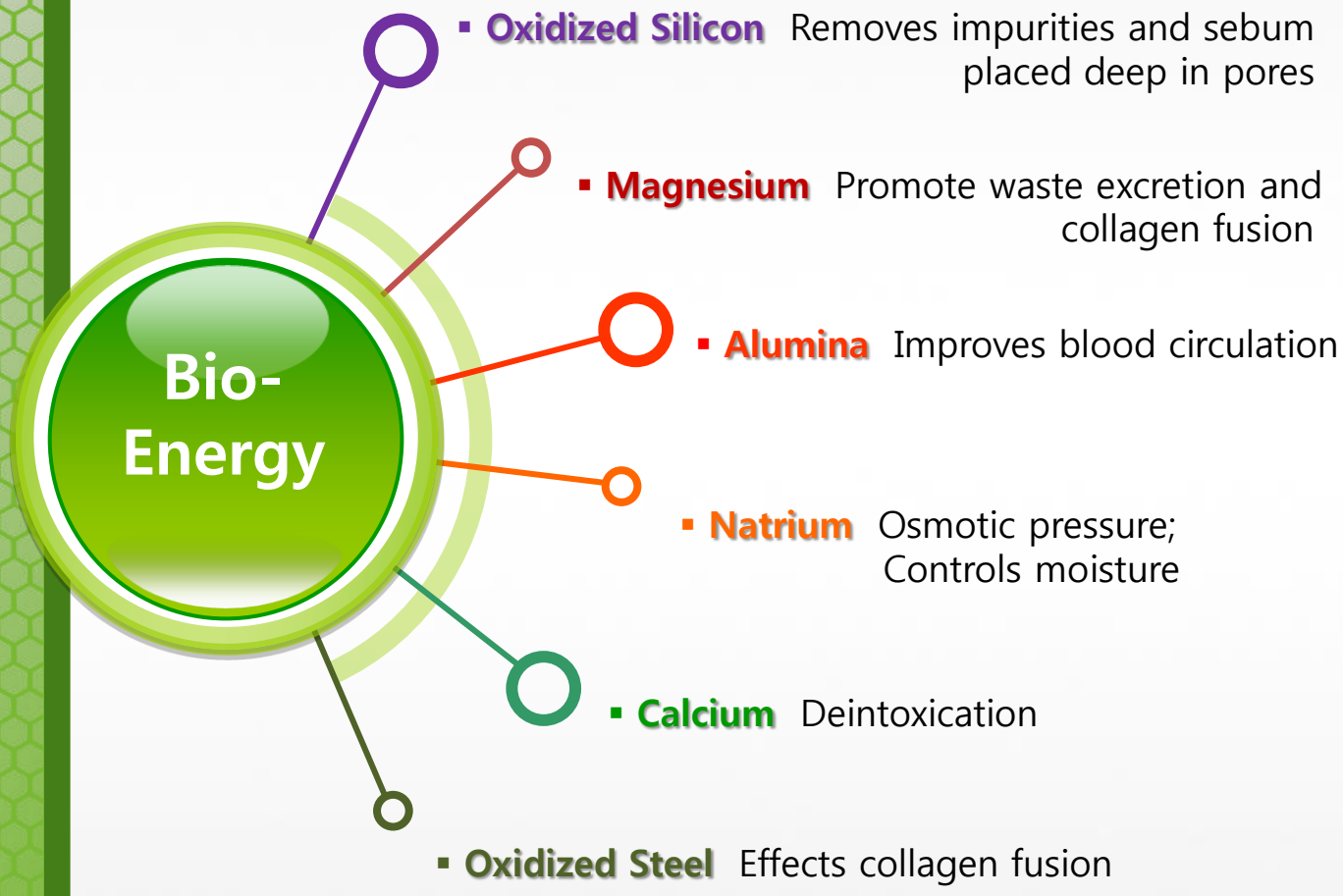
Enhancement of Resilience
POWERkler improves conditions of organs in the body such as lymph, lung, large intestine, nerve, circulation, allergy, cellulose, and heart

VI

Improvement in Human Balance
POWERkler helps human balance and posture control so that the person wearing POWERkler can exercise more stably

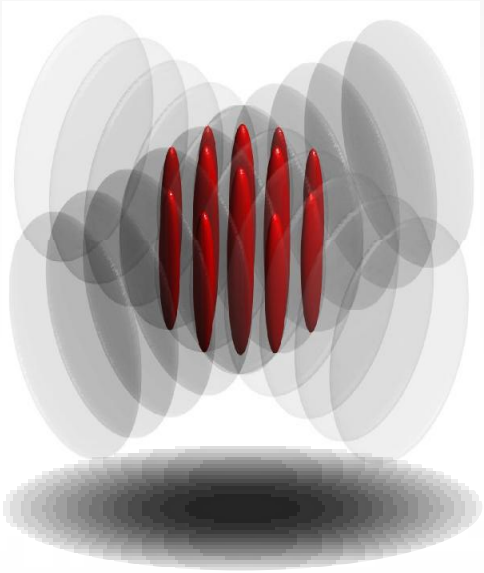
Main Components

Composed of 30 minerals



Principle

Transfer Bio-Energy, caused by atom vibration



Energy flow caused by Bio-Mineral

Bio-Mineral

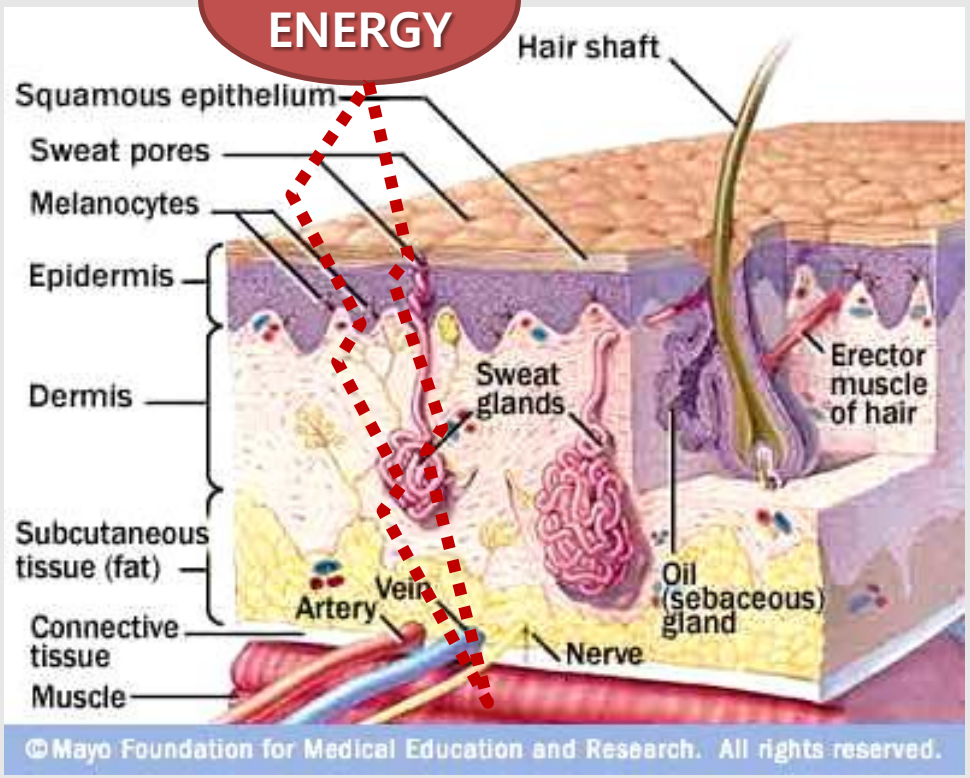
Bio-Energy

Our technology transfers energy, generated by molecular structure and atom vibration, into our body. This energy stimulates our muscle, helps blood circulation, increases oxygen rate in the blood vessel, and increases vitality in body.

Technology co-developed by German CERMACOLOR and VENTEX

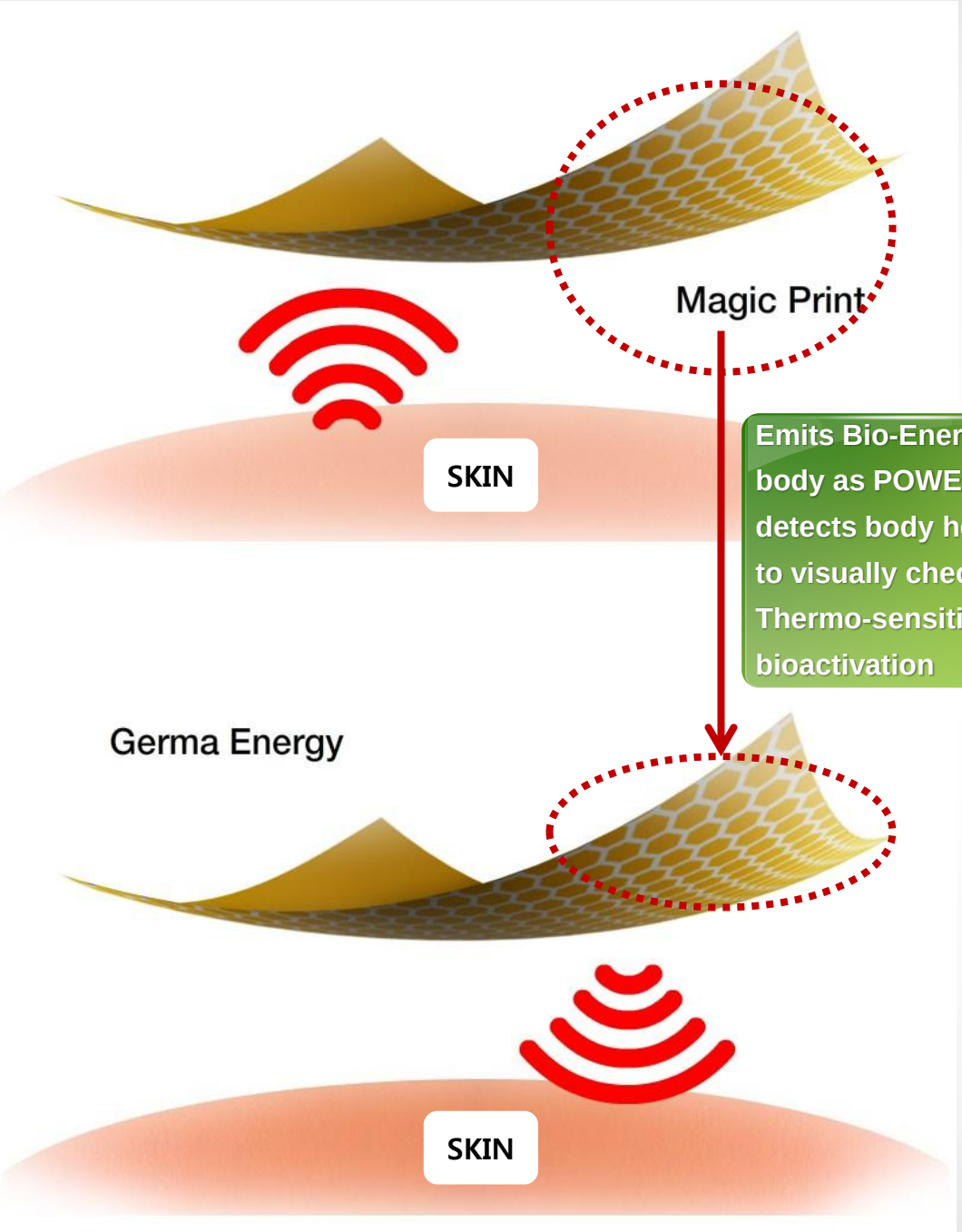
Effects

Skin Layers Diagram



Bio-Energy activates muscle movement and reduces muscle fatigue by transferring the energy to the muscle

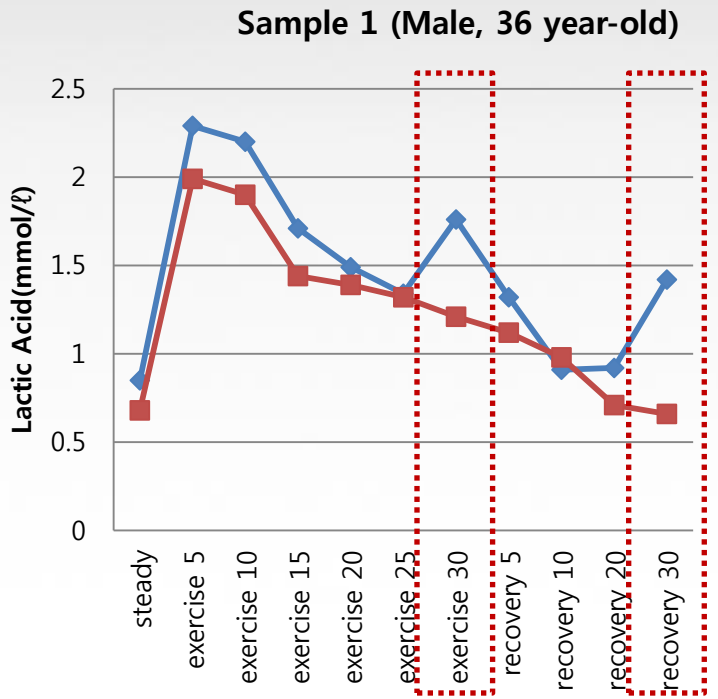
Technology Application

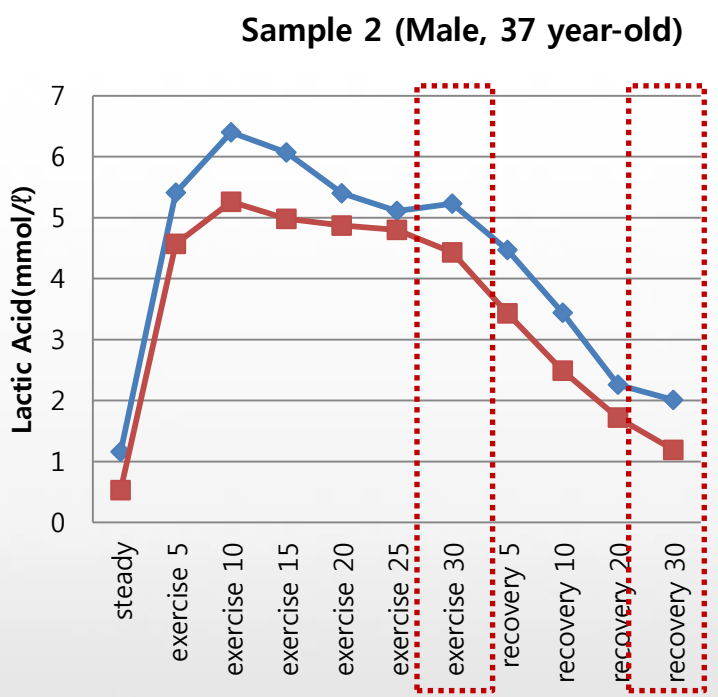


Clinical Demonstration 1.1 - Measurement of Lactic Acid-

Test Condition

1. Location: Sport Fiber Research Center of Inhwa University
2. Condition: temperature 20℃, humidity 50%
3. Period: 03.12.2012 ~ 03.19.2012
4. Specimen: 3 Male
5. Note: Specimen wore cloth prior to 24 hours of test





Relatively less lactic acid excretion

Shows relatively less muscle fatigue as excrete less lactic acid during exercise or recovery state

Lactic Acid

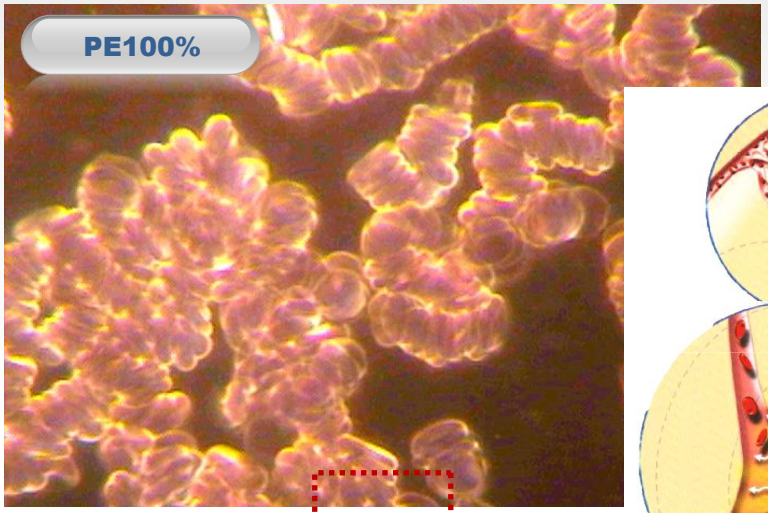
- Produced when glycogen (multibranched polysaccharide that serves as a form of energy storage. Made and stored primarily in the cells of the liver and the muscles. Functions as the secondary long term energy storage that can be quickly mobilized to meet a sudden need for glucose) is decomposed by movement of muscle
- Material that causes fatigue

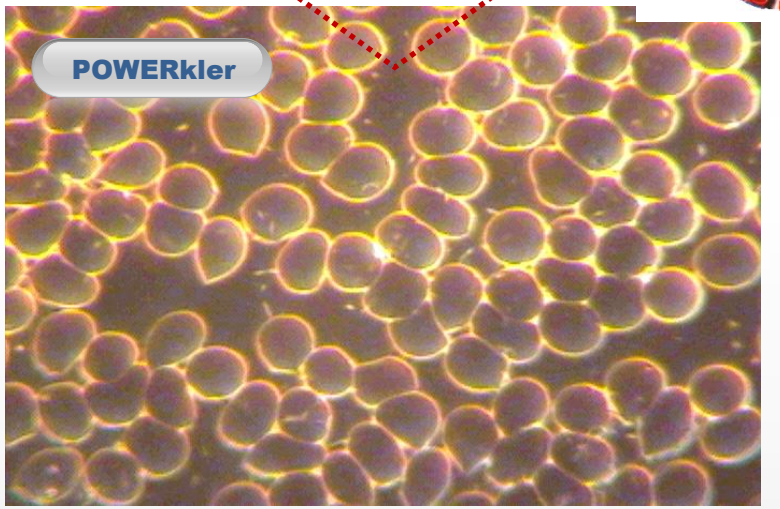
Clinical Demonstration 1.2 - RBC Observation-

Test Condition

1. Location: Sport Fiber Research Center of Inhwa University
2. Condition: temperature 20℃, humidity 50%
3. Period: 03.12.2012 ~ 03.19.2012
4. Specimen: 3 Male
5. Note: Specimen wore cloth prior to 24 hours of test

Sample 3 (Male, 51 year-old)





Improvement of Microvessel Blood Flow

Bio-Energy clears Rouleax formation to make blood to flow more smoothly

Rouleaux Formation

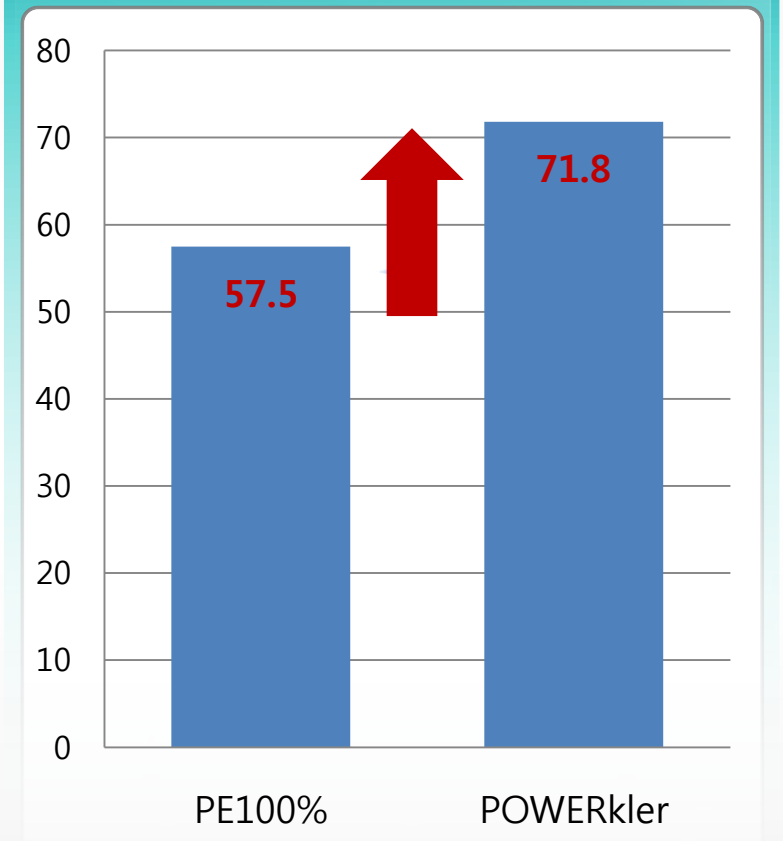
- Formation of red blood cells that are stacked instead of evenly spread our on smear, often caused by infections, multiple myeloma or connective tissue disorders such as γ globulinemia
- Used as a standard diagnosis of myeloma and microglobulinemia

Clinical Demonstration 2.1 -Measurement of Muscular Endurance-

Test Condition

1. Location: Ventex Medical Laboratory
2. Condition: temperature 20℃, humidity 50%
3. Period: 04.24.2012 ~ 04.27.2012
4. Specimen: 4 male and 4 female age between 20 and 30
5. Note: Specimen wore cloth prior to 72 hours of test

Sample average of muscular endurance value



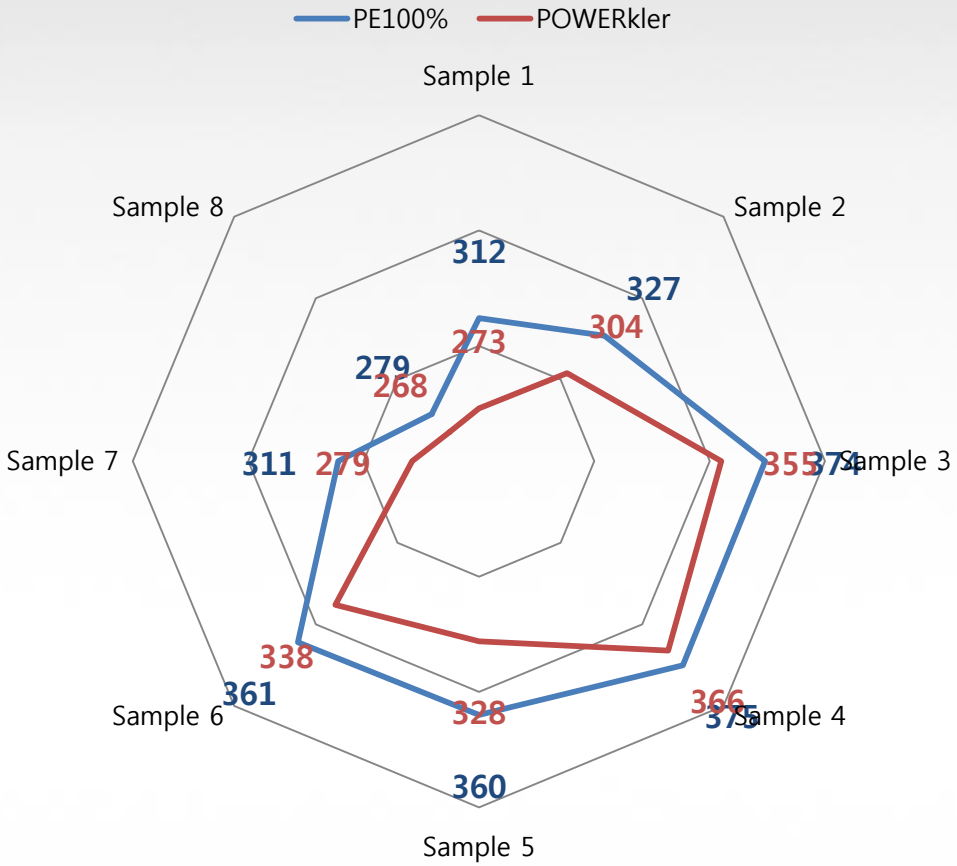
Improvement of Muscular Endurance

POWERkler improves muscular endurance that increases capacity for locomotion

Muscular Endurance

- Ability of a muscle or a group of muscle to perform repeated muscular contraction against for an extended period of time
- Relationship between muscle blood and oxygen uptake

Clinical Demonstration 2.2 -Measure Active Oxygen-



Test Condition

1. Location: Ventex Medical Laboratory
2. Condition: temperature 20℃, humidity 50%
3. Period: 04.24.2012 ~ 04.27.2012
4. Specimen: 4 male and 4 female age between 20 and 30
5. Note: Specimen wore cloth prior to 72 hours of test

Reduction in Active Oxygen Production

POWERkler relatively decreases active oxygen production compare to other clothes, meaning reducing one of risk elements that cause cancer, aging, hepatic, stomach, arteriosclerosis, heart, cerebropathia, diabetes, atopy, and rheumarthritis

Active Oxygen

- Generic term of oxygen compound that is composed of uncoupled electrons. This is unstable material that causes aging and various diseases by oxidizing with surrounding substances
- EX: Unsaturated fatty acid that form cell membrane in blood vessel(LOL Cholesterol)-> active oxygen -> change to lipoperoxide-> forms waste in wall of blood vessel, causing blood clot -> hardening of the arteries

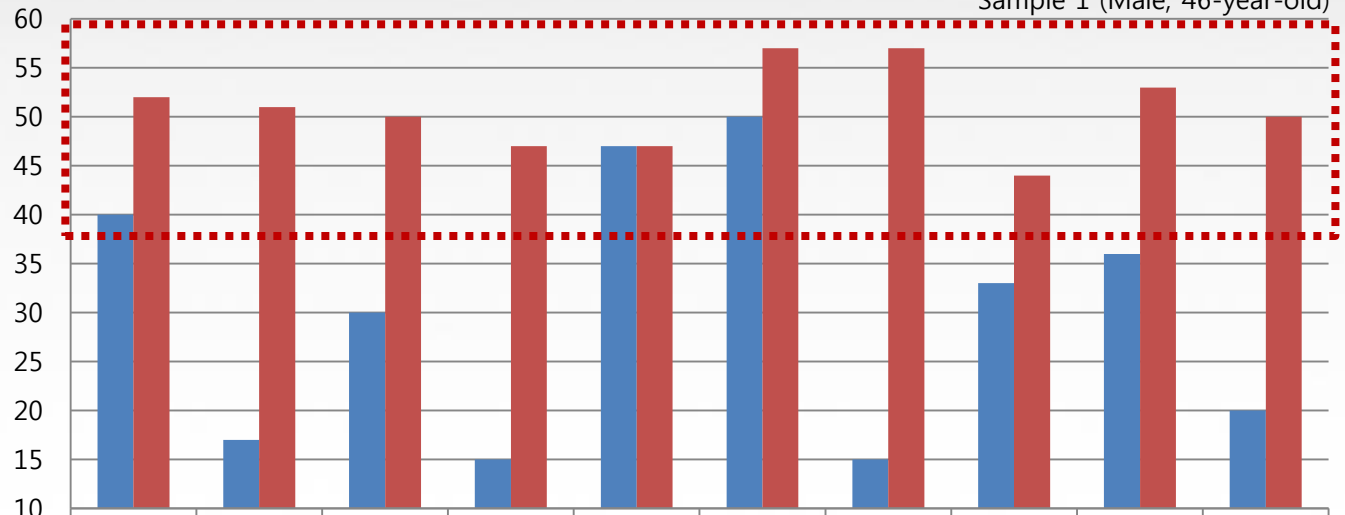
Clinical Demonstration 3 -EAV Test-

Test Condition

1. Location: Germany Germacolor Laboratory
2. Condition: temperature 20℃, humidity 60%
3. Period: 01.02.2012 ~ 06.01.2012
4. Specimen: 10 male, 6 female
5. Note: Specimen wore cloth prior to 45 minutes of test

EAV(Electroacupuncture acc. to Voll)-Diagnostics

Sample 1 (Male, 46-year-old)



	lymph	lung	large intestine	nerve	circulation	allergy	장기변성선	meridian system	heart	small intestine
Before	40	17	30	15	47	50	15	33	36	20
After	52	51	50	47	47	57	57	44	53	50

Rise in Resilience

Result between 40-60 represent the most ideal condition state. Experimenters, who were wearing POWERkler during the experiment, showed higher resilience in overall body organs than experimenters who were not wearing POWERkler

※ Equipment: M.L. Kindling GmbH, Germany
Typ – Akuport M2 [Certification Number of medical equipment – DIN EN ISO 13485:2007]

EAV(Electroacupuncture according to Voll)

- Machine that combined theory of meridian with anatomy into electrophysiology
- Measurement: Measures resistance by flowing 10-12uA of direct current into electrode. Each meridian point and measured spot reacts to produce negative charge that displays in scale from 0 to 100. Lowest level, 0, represents infinite resistance while highest level, 100, shows no resistance

Clinical Demonstration 4 -Balance test-

Improvement in Human Balance

Comparison test of 15 male and female who wore POWERkler from Textile Testing Institute concluded that POWERkler has a positive impact on improving the balance as the entire specimen's physical balance improved

Textile Testing Institute

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Telefax: +49 (0)7762 7844
E-Mail: info@Blue-More.com

Referenz FS/GC

Wehr, 20.2.2021

GermaEnergy Shirt

Dear Mr. Hecht,

as discussed you will find enclosed the test report in English for our basic research.

We can confirm that the GermaEnergy shirt brings a significant positive effect for the human balance.

The intensity of effect dependence on the actual condition, the weight and the mental state of each person.

We will do in the next weeks more tests to get a higher amount of data.

The reason for this very good balance effect with the coated shirt we think is based in the positive results we found in the human meridian measurement with Electro-Acupuncture according to Dr.Reinhold Voll. You got this test report some week before.

In the moment are some furthermore studies running. Special the performance for neurological disorder like Parkionson have to be expand because we found there also a very positive effect.

We, as a free testing institute are very confidence with this new product.

If you have any questions, please do not hesitate and contact us.

With our best regards
Blue & More GmbH
Textile Testing Institute

Engineering Director

Registergericht Freiburg i. Br.: HRB 703749
Gerichtsstand: Bad Säckingen
USt.-ID-Nr.: DE 264939551
Geschäftsführer: Frank Schneider

Bankverbindung:
Sparkasse Hochrhein · BLZ: 68452290 · Konto: 77037927
IBAN DE56684522900077037927 · SWIFT/BIC-Code SKHRDE6W

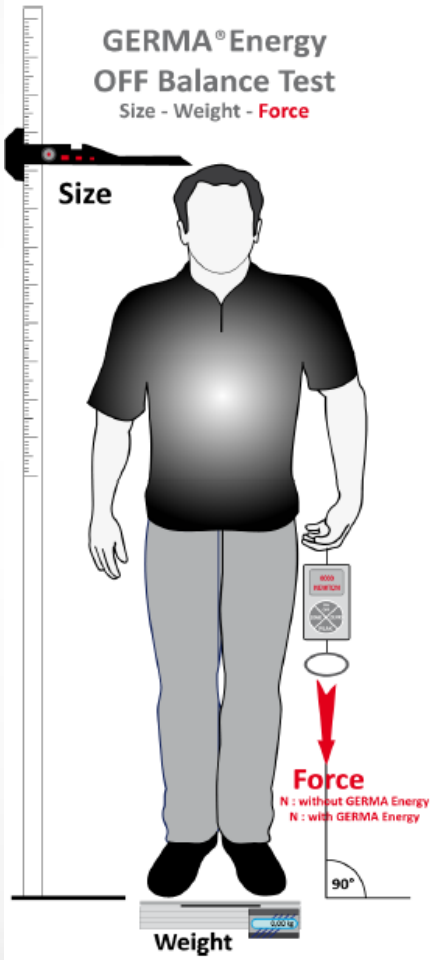
OFF BALANCE TEST

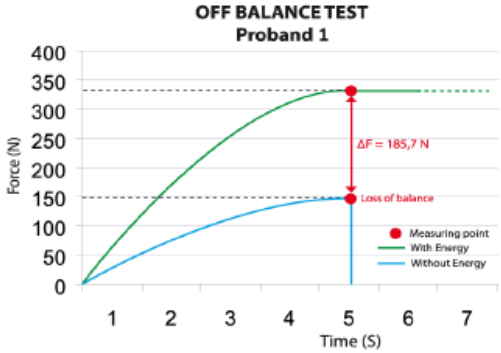
With/Without GERMA®Energy

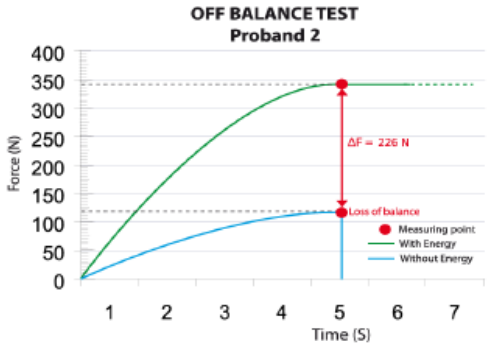
Excerpt from Test Report

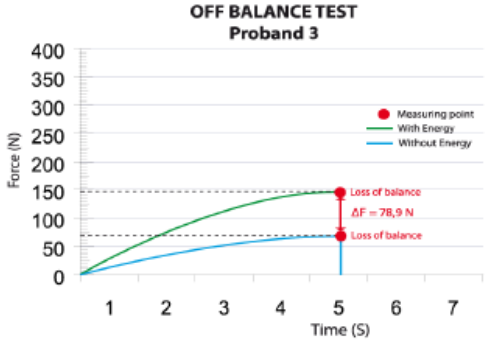
Proband 1 Male 173 cm, 71 kg		Proband 2 Male 175 cm, 80 kg		Proband 3 Female 142 cm, 39 kg	
Force (in N) applied before losing Balance					
Stand straight neutral		Stand straight neutral		Stand straight neutral	
without Energy	with Energy	without Energy	with Energy	without Energy	with Energy
F = 147,5 N	F >* 333,2 N	F = 117,6 N	F >* 343,6 N	F = 68,6 N	F = 147,5 N
ΔF = 185,7 N		ΔF = 226 N		ΔF = 78,9 N	
↑ 125 %		↑ 192 %		↑ 78,9 %	

>*: Proband has NOT lost his balance



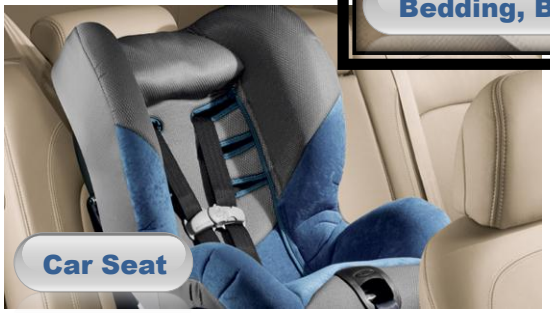






Textile Testing Institute
February 2012

Application



Product Safety

Registered in REACH

Registration, evaluation, authorization and restrictions in the utilization of chemical products. Protection and respect of both Environment and Human Health

Proof from OEKOTEX Standard 100

Certification that guarantees a strict control towards toxic products

European Guideline 94/27/CE

Prohibition of product that contain nickel

European Guideline 202/61/CE

Restrictions of commercialization and use of dangerous products

THANK YOU
HEALTH BIO ENERGY
POWER kler™