

MATRIX

making technology safer



www.mymatrixworld.com

MATRIX

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1. About the product

MATRIX chip protects and preserves the natural cellular environment of the human body against harmful effects of electromagnetic radiation (EMR) produced by electronic devices.

2. Hazards of electromagnetic radiation

In a study published by the National Institutes of Environmental Health Services in 2003, Professor Leif G. Salford, Chairman of Department of Neurosurgery at Lund University in Sweden stated that, “voluntary exposure of the brain to microwave from hand-held mobile phones ... {is} the largest human biological experiment ever.” His 15 year research showed that electromagnetic radiation can cause passage of a protein called albumin into the brain and cause serious brain damage in animals. Other researchers have found that prolonged exposure in humans may result in such conditions as headaches, confusion, sleeping problems, depression and mood swings (Karolinska Institute, Uppsala University, Wayne State University, 2008), nausea, muscle pains (Health Protection Agency, 2005), autism (Tamara Mariea CCN, 2007), cancer of salivary glands (American Journal of Epidemiology, 2007), cancer risk (Kundi, 2004), ringing in the ears, inner ear damage and hearing loss (American Academy of Otolaryngology, 2007).

It is not surprising that Molly Wood, Senior Editor of CNET.com wondered if history will repeat itself and the cell industry in near future would become Big Tobacco 2.0 (3/8/2005).

2.1. Electrosmog

High-frequency electromagnetic waves occur as a result of operating any radio communication equipment e.g., cell phones, cordless phones, computers, baby monitors, video games etc. These devices produce electromagnetic pollution or electrosmog which interferes with the delicate balance of physical and chemical processes occurring in the human body. Tests on animals show that heat created by cell phones can impact the permeability of cells and alter influx or efflux of ions across cell membranes. The resulting abnormal concentrations of ions or chemicals inside the cells may lead to short-term or long-term effects on your health.

Expansion of mobile communication networks has exposed us to pulsed high-frequency EMR whose long-term effects on humans are only now becoming known. Our body's internal information system works with natural electromagnetic signals, however, on an energy level that is several times weaker than the electrosmog generated by cell phones. This interference with the high frequency waves interrupts natural biophysical environment and disturbs the natural biosphere. Matrix functions to preserve and/or restore your natural cell environment which is vital for good health.

2.2. How Matrix works:

Matrix works by interfering with and neutralizing negative health effects of electromagnetic energy generated by cell phones and other electronic devices. The function of human cells is not only influenced by nutrients, medicines and

hormones, but also by energy information. Cell phones produce electromagnetic radiation and the resulting energy penetrates the body and disturbs the natural energy state of cells. This disruption may alter cell signaling pathways, permeability of ion-exchange channels, membrane electric potential etc. of human cells and lead to damaging health consequences.

Just like music information stored on a CD, energy information can be stored on a carrier material like the Matrix chip in the form of a binary code through a pulse generator. As this very low frequency energy is released in pulses, like medicine from a time-release capsule, it creates a noise field which has a neutralizing effect on the energy produced by cell phones. Man-made electronic devices usually produce energy that has a uniform and regular wave pattern in terms of frequency and amplitude. On the other hand, natural sources of energy generally produce mixed wave patterns with irregular profiles. Studies show that it is these non-random repetitive energy waves that produce harmful biological effects. Superimposing a “noise-field” through pulses of energy produced by Matrix converts these repetitive regular man-made energy waves into more random natural electromagnetic fields and mitigates their hazardous potential to biological systems.

3. Research by Dr. Bilz

Matrix was developed from the pioneering research of Dr. Bilz Forschung (Halfing, Germany). She comes from a family of researchers spanning over a hundred years. Her father-in-law, Friedrich Eduard Bilz, born in 1842, was a famous

German scientist and was considered one of the founding fathers of naturopathy or natural medicine in Saxony. His 4-volume book on the subject “Das Neue Naturheilverfahren” sold 4 million copies and was translated into several languages. Father of Dr. Bilz, Dr. Johann Hlisnikowski, was a general practitioner and also a passionate researcher. He invented soft soap and the patent was later sold to his Swiss group of companies. His research included evaluating the clinical effects of mistletoe which is recognized today as a therapy for breast cancer.

Present day research conducted by her sister-in-law, Dr. Hannelore Bilz, is much more scientifically complex and comprehensive. It is based on award-winning principles of quantum physics, biology, microbiology and medicine. Dr. Bilz’s research rests on the fact that a human body is influenced not only by active pharmacological agents like medicines but also by the energy information. Disturbing this natural energy balance makes humans more prone to diseases.

The following research studies underscore the protection provided by Matrix against electromagnetic radiation:

Objective 1

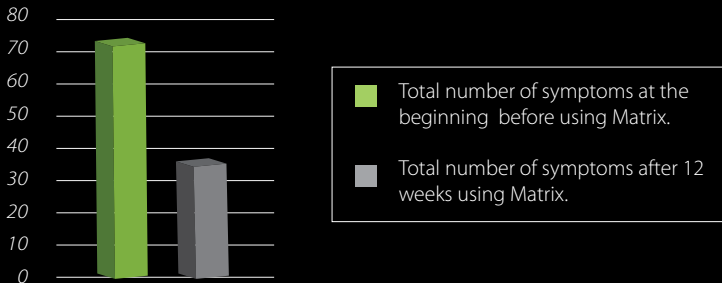
Determine improvements in key symptoms of well-being (e.g. sleep disorders, exhaustion, lack of concentration, tired in the morning, skin and hair problems) with and without use of the Matrix chip over a 12-week period using a cross-over design (altering between placebo and active film and vice versa during the test period).

Method: Determination of subjective well-being by structured questioning.

Test Subjects: 10

Examination Dates: 5

Raw Values Processed: approx. 1,050



Results: There was a 50.7% improvement in the total number of symptoms found at the end of the examination period.

Interpretation: Users of Matrix reported marked reduction in parameters like sleep disorders, exhaustion, lack of concentration, tired in the morning, skin and hair problems over the 12-week period.

Objective 2

Determine average reduction in severity of symptoms by assigning scores at intervals from 0 to +3 during 5 examination periods.

Results: Reported severity of symptoms with and without Matrix were as follows:

Examination	Without Matrix	With Matrix	% Improvement
Period 1	58	32	44.8%
Period 2	42	41	0.02%
Period 3	41	23	43.9%
Period 4	42	28	33.3%
Period 5	30	17	43.3%

Source: EUTROPA Testinstitut, Germany

Interpretation: Symptoms from some key well-being problems e.g., sleep disorders, exhaustion, lack of concentration, tired in the morning, skin and hair problems improved dramatically during the 12-week period. Average reduction of symptoms was 33%.

3.1. Prognos diagnosis and therapy system

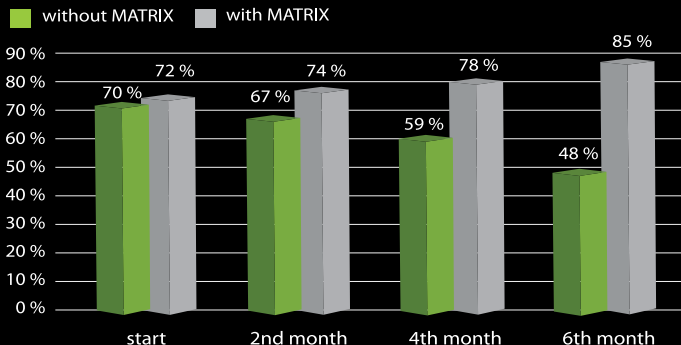
Research team led by Prof. Zagradski M.D. (Russian Space Laboratory) developed an instrument which combined traditional Chinese acupuncture medicine with modern technology to calibrate energy levels in the body. This system, called the Prognos Diagnosis and Therapy System, uses special diagnostic software to determine body energy levels based on electrical measurements of skin resistance. This convergence of thousands of years of energy-based healing methods with modern anatomy-based scientific methods is becoming increasingly popular with North-American practitioners.

Prognos System was used by Russian cosmonauts to determine their health state before and after space travel. During the longest manned space flight in history (MIR flight of 438 days in 1994 and 1995), Russian cosmonauts including Dr. Valery Polyakov used Prognos to measure and correct energy flow by stimulating specific acupuncture spots and stay in good physical condition. Since November 2000, Dr. Bilz Forschung has used PROGNOS to study the effects of pulsed electromagnetic radiation emitted by cell or cordless phones on energy levels in the human body. Her data indicates that, in the absence of protective Matrix chip, over 90% of test subjects experienced a drop in energy in the meridian system (our bodies have a bio-energy-circulation system similar to the blood-circulation system. The bio-energy flows along 12 main meridians, or channels which are symmetrical on each side of the body and are related to specific organs and associated disease states).

Prognos research 2003

Efficacy of Matrix for protection against EMR was measured by Prognos Research in 2003 by Dr. Bilz (see figure below). Before the experiment, a baseline mean value of 100% was set to indicate energy levels in non-users of cell phones. Then energy levels in volunteers were measured who were using cell phones with or without the Matrix chip attached. Data showed a marked improvement in energy levels in cell phone users with protection provided by Matrix as measured by readings of skin resistance. The difference from non-users became more pronounced with passage of time.

Measurement of energy levels



Canger Consulting Ltd.

Box 449, Golden, BC, Canada V0A 1H0

Phone +1-250-344-6220

North America: 1-888-343-2583

www.prognossystems.com

Conclusion

“Based on the research and the test results, it is strongly recommended in respect to medicine to use MATRIX when calling from a mobile phone in order to provide your body with the ultimate protection against any possible negative effects.”

(H. Bilz M.D., Germany) www.mondosan.de

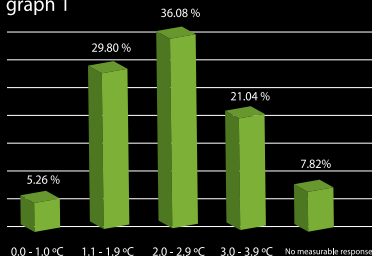
3.2. Thermography

Thermography is an imaging process which uses infrared to measure the amount of invisible thermal energy or heat produced by an object or a body. Sensitive brain and nerve tissue are protected by the so-called blood-brain barrier which acts as kind of a security gate to allow only certain substances to pass through from blood and into the brain under normal conditions. Should this barrier be compromised, toxic substances such as heavy metals, viruses and bacteria can reach the brain. This may increase risk of such illnesses as Alzheimer's and multiple sclerosis (Professor Leif Salford, Lund University, 2003). An increase in temperature in the head area by cell phone use can compromise the blood-brain barrier and its protective function. In the course of the Dr. Bilz's experiments, extensive thermographic measurements were taken from

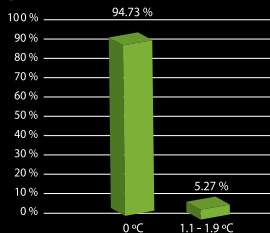
participants at a time when they were making phone calls with and without MATRIX. Experimental results show that MATRIX protects the head area from temperature increases.

Increase in temperature when using a cell phone

graph 1



graph 2



Graph 1: without MATRIX

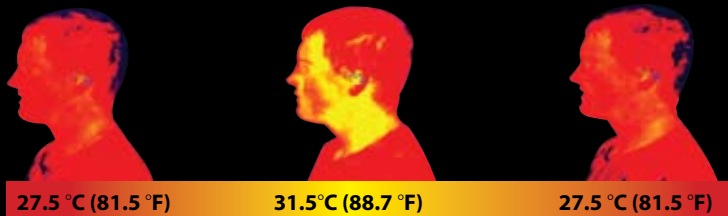
Temperature increase in the head when using a cell phone without MATRIX: 87% of the test participants show a temperature increase of more than 1 °C (1.8 °F).

Graph 2: with MATRIX

Temperature increase in the head when using a cell phone with MATRIX: Only 5% of subjects have head temperature increase of above 1 °C (1.8 °F).

3.3. Thermal Energy

The following images using infrared cameras show increased heat emanating from facial area when using a cell phone and the protection provided by Matrix.



Initial condition

After 4 minutes using a
cell phone without Matrix

After 4 minutes using a
cell phone **with Matrix**

3.4 Kirlian Photography

All living beings emit radiation from the body indicative of their internal state. Kirlian photography is a way to visualize these emissions and body's natural electric field. Discovered by Semyon and Valentina Kirlian in 1939, the gas discharge images have been used for before and after pictures to visualize effectiveness of medical treatments and as a diagnostic tool for diseases.

Research was conducted to visualize changes in gas discharge image from subjects after a 3-minute cell phone call.



Figure 1

When using a cell phone without protection, a significant increase is observed in the size of the gaps (+104%) and weakened areas (+16%) in the body's natural electric field. This means that the body is more exposed to external stress factors in these areas.



Figure 2

The gas discharge patterns are only marginally affected after use of a phone with MATRIX. The body's natural electric field is almost completely intact. This means that the body has a barrier to defend itself against stress factors.

Objective 3

Determine alterations in distributions of energy fields emanating from test subjects with or without Matrix during a 12-week period utilizing Gas Discharge Visualization technique (GDV) in a cross-over experimental design.

Method: GDV allows direct, real-time viewing of the human energy field by using a special camera to graphically represent the distribution of energy flow in space and the interaction of this energy with the environment. Using a computer model, an investigator can view, measure and analyze biological subjects in a totally new manner. The Gas Discharge Visualization camera was invented by Dr. Konstantin Korotkov, a leading scientist from St. Petersburg, Russia [Korotkov, 1995-1999]. The “Kirlian Effect” refers to the resulting image of a gas discharge; “fluorescence” or glow that appears around the edge of a subject after it is placed in a high-intensity electrical field that is captured on some type of photo-material. The occurrence of a “fluorescence or “glow” from animate or inanimate objects when placed in a high intensity electromagnetic field has been well known for more than two centuries. But the name comes from two Russian investigators, Semyon and Valentina Kirlian who independently discovered this same phenomenon in the 1930’s and 40’s.

Test Subjects: 10

Examination dates: 5

Raw Values Processed: 2000 from 500 GDV images

Measurement: Average deviations in four parameters were measured (Area, Area Normalized, Gaps and Density).

Results: There was an increase of area by 16%, area normalized by 9%, reduction in gap sizes by 10% and increase in density by 8% compared to placebo.

Interpretation: Use of Matrix resulted in an increase in energy level by about 12%. In addition, gaps in body's energy field closed by 10% making body radiation more homogeneous.

3.5. Vital Blood Microscopy (VBM)

Vital blood microscopy is a screening test to evaluate morphological state of live blood cells. Live blood cell analysis uses a single drop of blood from a fingertip which is visualized under a microscope using different light conditions to reveal its physical condition. Red blood cells (RBCs) have two major functions. They carry oxygen from the lungs to all tissues to produce energy and transport waste product, carbon dioxide, from tissues to the lungs to be expelled.

Test results of the Eutropa Institute for Humoral Ecology and Medical Biophysics (May 2004) and a longer-term study from August-November, 2004 on behalf of Relo Cell AG show an increase in agglutination (see images below) of red blood cells (formation of "coin rolls") while making telephone calls without MATRIX. Agglutinated RBCs insufficiently fulfill their function of oxygen transportation. This results in diminished energy production by the cells. Consequence may be tiredness, depression, weakness, poor performance and poor concentration. Besides, susceptibility to illnesses may increase.

Lack of oxygen = Lack of energy

When making phone calls using MATRIX, stacking of RBCs to form "coin-rolls" called Rouleaux formation is dramatically reduced and the blood flows normally.

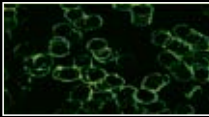


Image shows condition of red blood cells prior to cell phone use.

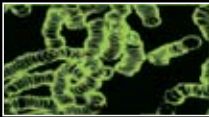


Image shows red blood cells after 3 minutes of cell phone use. Pronounced clumping of cells resulting in oxygen deprivation.

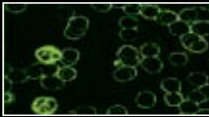


Image shows red blood cells after 3 minutes of cell phone use protected by MATRIX. Very little clumping and preserved oxygenation function of RBCs.

Objective 4

Determine changes in sludge formation (agglutination of red blood cells) and fluidity parameters with the use of Matrix over a 12-week period by a cross-over design.

Method: Vital Blood Microscopy (VBM) by visual morphological image evaluation. Comparison of two parameters: degree of agglutination and fluidity (Matrix vs. Placebo).

Test Subjects: 10

Examination Dates: 5

Raw Values Processed: 300 from 150 VBM images

Parameter	With Matrix	Without Matrix	% Change
Degree of Agglutination	0.727	1.545	52.9%
Fluidity	-0.091	-1.182	92.3%

Source: EUTROPA Testinstitut, Germany

Results: Integral values in the -3 to +3 range were established and assigned during visual analysis of blood samples. Matrix reduced degree of red blood cell agglutination (sludge formation) by 52.9% and improved fluidity of blood by 92.3%.

Interpretation: Use of Matrix dramatically improved flow of red blood cells in the subjects tested versus placebo. Since red blood cells carry oxygen from lungs to all body tissues, this may explain more energy experienced by Matrix users compared to the control subjects.

Objective 5

Measure changes in concentration of several laboratory parameters, e.g., melatonin in urine samples, melatonin and serotonin in blood serum samples

and metabolic status using bioelectronic Vincent test with the use of Matrix versus placebo.

Background: Melatonin has been studied for the treatment of cancer, immune disorders, cardiovascular diseases, depression, seasonal affective disorder (SAD), circadian rhythm sleep disorders and sexual dysfunction. Melatonin is a naturally occurring compound found in animals and plants. In animals, circulating levels of melatonin change during the 24-hour period in the day to regulating the circadian rhythm or the sleep/wake cycle. It is also a powerful antioxidant, with a particular role in the protection of nuclear and mitochondrial DNA.

Melatonin also interacts with the immune system and some studies indicate that melatonin might be useful in fighting infectious disease including viral, such as HIV, and bacterial infections, and potentially in the treatment of cancer. When taken in conjunction with calcium, it is an immunostimulator and is used as an adjuvant in some clinical protocols. Individuals with autism spectrum disorders (ASD) may have lower than normal levels of melatonin. Basic research indicates that melatonin may play a significant role in modulating the effects of drugs of abuse such as cocaine and its possible role in Alzheimer's disease was demonstrated by prevention of neuronal death caused by exposure to the amyloid beta protein. The fact that melatonin production declines so drastically with age probably explains many of the sleep disturbances seen in the elderly.

Serotonin is a neurotransmitter in the brain that has an enormous influence over many brain functions. It has been implicated in control of appetite, sleep, memory and learning, temperature regulation, mood, behavior (including sexual and hallucinogenic behavior), cardiovascular function, muscle contraction, endocrine regulation, and depression.

Bio-Electric Vincent Test was developed by the French hydrologist Prof. Vincent in 1935. The method is based on the electron model and it measures temperature, pH, redox potential and electric conductivity in subjects by analyzing blood, saliva, and urine in order to determine acidity in the body. Results are then interpreted. For example, Schmöller (1990) found highest redox potential in patients suffering from lung cancer.

Method: Laboratory measurements of melatonin and serotonin were made from users and non-users of Matrix chips at three different time points over a period of 12-weeks using a cross-over design.

Test Subject: 10

Examination Dates: 3

Raw Values Processed: 90

Results: Level of Melatonin in urine samples of subjects using Matrix vs. placebo was determined in ng/ml for the two groups.

Group 1: Placebo

Group 2: Using Matrix

Blue, red and yellow colors signify three different time points.

Melatonin Levels	Without Matrix	With Matrix	% Increase
1st Measurement	17.17	24.25	41.2%
2nd Measurement	14.33	38.25	166.9%
3rd Measurement	22.33	34.25	53.4%

Source: EUTROPA Testinstitut, Germany

- At the start of the study, the melatonin levels of all subjects was clearly too low. Utilization of Matrix resulted in melatonin levels to reach normal levels.
- There was a significant increase in melatonin levels of 9 out of 10 subjects using Matrix. The level of increase ranged from 41.2% to 166.9%.
- Serotonin and melatonin levels in serum samples did not show significant changes (data not shown).
- Vincent bio-electric test did not reveal significant changes in metabolic status, which means that there was no clear influence on acid-alkali balance, redox potential or mineralization.

Interpretation: Normalization of melatonin levels may have wide-ranging implications because of various bodily systems impacted by this hormone. It is clearly involved in the sleep/wake body rhythm but has been implicated in depression, immune disorders, autism, cancer, Alzheimer's disease and drug addiction. Since users of Matrix have improved melatonin concentrations approaching normal levels, this may explain better scores of general well-being reported by users of Matrix versus the placebo.

Discussion and Outlook: Out of a total of 12 test subjects, the results of ten could be completely analyzed. Analysis of the study indicated that the subjective well-being of 8 out of 10 subjects clearly improved in the course of the 12-week study. Use of Matrix resulted in reduction of symptoms by over 50%. The melatonin laboratory parameter, which had been initially low in all subjects, improved clearly in 90% of the subjects by at least 41%. On the other hand, serotonin and differential blood count did not show significant changes.

With Vital Blood Microscopy, 80% of the subjects showed deagglutination of blood accompanied by a distinct improvement in fluidity with clear implications for increased production of energy through better functioning of red blood cells. Moreover, total energy levels improved with the use of Matrix by an average of 9% and reduction in gap sizes by 10% in the human energy fields. The Vincent bio-electric test did not reveal significant changes in metabolic status, therefore, there appears to be no clear influence on pH, acid-alkali balance, redox potential or mineralization.

The study clearly shows that users of mobile phones clearly deviate in some but not all parameters from non-users. Especially affected are day-night rhythms called the circadian rhythm by distinct effect on melatonin concentrations. There is also a strong tendency for agglutination and reduced fluidity of blood. Since both these parameters improved dramatically through the use of Matrix, it is reasonable to surmise that Matrix would have positive influence on the health of its users. The results of energy field analysis indicated smaller yet consistent improvements in the majority of subjects. This has implication in improving lethargy and drained feelings experienced by many mobile phone users. The improvement in scores of subjective well-being in the course of the study is assumed to involve both physiological and psychological factors. Based on these laboratory results and the observed improvement in the physical, psychological and physiological parameters studied, the reduction in electromagnetic radiation exposure to the human body by the Matrix Protection chip is estimated at 75%-80%. The positive results obtained through this study should be replicated in further studies and backed up by investigating a larger sample of cases. This Matrix study conducted by Eutropa Institute is fully recognized, endorsed and certified by The International Society for Electromagnetic Research (IGEF) as indicated by the attached certificate.

MATRIX

- Is a technological breakthrough
- Is based on accepted physical principles
- Is medically tested for physiological effect
- Addresses a growing long-term public safety concern
- Offers a great value

4. Effect guarantee

The effect of Matrix may diminish after 400 hours of talk time when affixed to a cell phone. It is highly recommended to attach a new Matrix chip after 400 hours or 12 months of cell phone use or any other electrical device. The chip should not be attached and detached repeatedly from one device to another. The programmed chip loses its effect when exposed to extreme temperatures above +70°C (158°F) or below -20°C (-4°F).

5. Disclaimer

The product statements and Matrix chip have not been evaluated by U.S. Food and Drug Administration. It is not intended to diagnose, treat, cure or prevent any diseases. Those seeking treatment for a specific disease should consult a qualified physician prior to using our product.

MATRIX is distributed by:

Matrix World LLC

3215 Golf Road

Suite # 135

Delafield, WI 53018-2157, USA

Phone Toll-free: 866-755-9917

Email: info@mymatrixworld.com

www.mymatrixworld.com