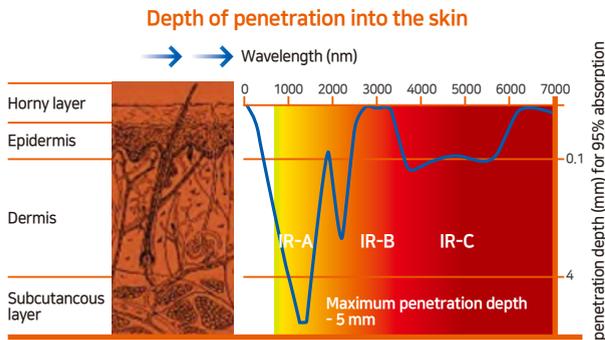


# GERMANIUM & HEAT

## GERMANIUM EMISSIONS AND WAVELENGTHS



When heat is applied to germanium, large amounts of germanium emissions and wavelengths are dispersed. When this occurs, germanium ion particles penetrate into the body and perform various beneficial functions. Germanium simultaneously releases large amounts of far infrared radiation (FIR), emits negative ions and penetrates the skin exclusively when heated.

When germanium ions come into contact with human skin, the ions penetrate into the skin along with far infrared rays. It penetrates the subcutaneous tissue and capillaries, activates the electrons in the blood, cleanses the blood and makes the blood alkaline. It relieves the symptoms such as muscle cramping, fatigue, pain, etc., and releases fatigue substances, increasing natural healing power.

Germanium improves blood circulation by removing lipid peroxides and harmful oxygen that damages the walls of blood vessels. It also prevents blood vessels from clogging or stiffening.

### 게르마늄 파워패드 이미지

### ITEM DIMENSIONS

- ▶ KING GERMANIUM POWER PAD 187™ 74" X 80" / 4 LBS.
- ▶ QUEEN GERMANIUM POWER PAD 187™ 56" X 79" / 3 LBS.
- ▶ SINGLE GERMANIUM POWER PAD 187™ 40" X 79" / 3 LBS.
- ▶ PROFESSIONAL GERMANIUM POWER PAD 187™ 28.5" X 72" / 2 LBS.
- ▶ MINI GERMANIUM POWER PAD 187™ 20.5" X 34" / 1 LB.



# GERMANIUM

Germanium is a lustrous, hard-brittle, grayish-white metalloid in the carbon group, chemically similar to silicon and tin. Pure germanium is a semiconductor with an appearance similar to elemental silicon.

- ▶ **SYMBOL:** Ge      ▶ **ATOMIC NUMBER:** 32
- ▶ **ATOMIC MASS:** 72.64 u      ▶ **DENSITY:** 5.323 g/cm<sup>3</sup>
- ▶ **ELECTRON CONFIGURATION:** [Ar] 3d<sup>10</sup>4s<sup>2</sup>4p<sup>2</sup>
- ▶ **DID YOU KNOW:** Germanium forms a large number of organometallic compounds and is an important semiconductor material used in transistors.

## PROMOTES ENDORPHIN PRODUCTION

Germanium promotes the production of endorphins.

Germanium acts as a catalyst for oxygen binding in the human body, reducing the oxygen demand of the cells and promoting the production of endorphins, the natural remedy of the human body. Because of this, recovery from fatigue is quick, and the mind is cleared, which makes you feel refreshed. Germanium is a detoxifying agent that removes toxic substances by combining toxic substances with oxygen because of its chemical properties with highly oxidizing oxygen atoms. It is excellent in detoxifying heavy metals such as mercury, cadmium and etc.



# GERMANIUM POWER PAD 187

MAXIMUM THERMAL RESONANCE EFFECT

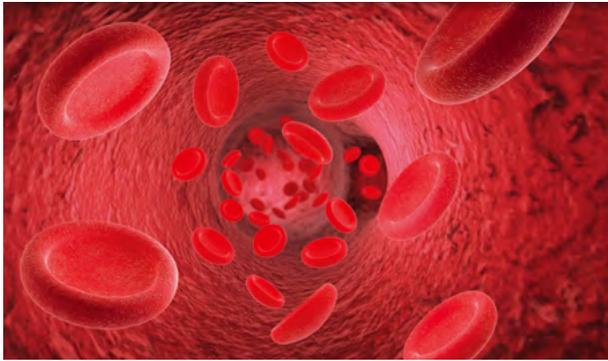
*Germanium for Treatment*



1314 South King Street Suite 520, Honolulu, HI 96814 USA  
Tel: (808) 589-2800 Toll-Free: (855) 338-6410 Fax: (808) 597-1651  
www.richwayandfujii.bio.com

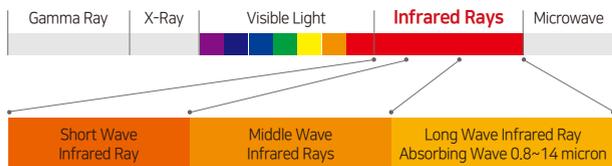
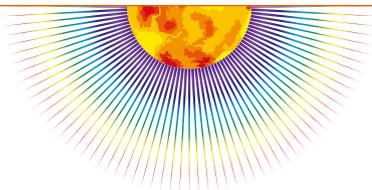
## GERMANIUM POWER PAD 187

MAXIMUM THERMAL RESONANCE EFFECT



Germanium naturally emits far infrared rays and negative ions. This allows for good blood circulation and eliminates minor pain. It also activates immune cells and prevents cell aging by supplying oxygen into cells.

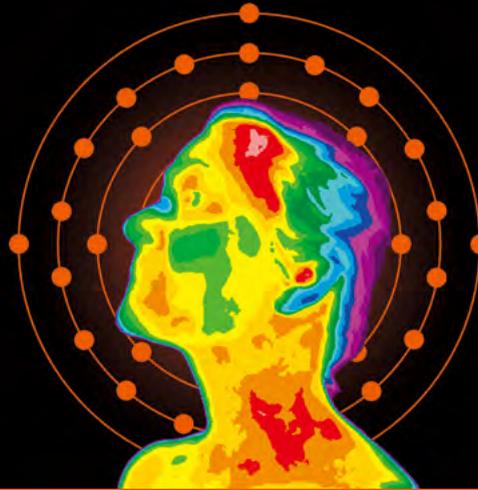
In addition, germanium's far-infrared rays have the effect of releasing heavy metals from the body. This effect also aids in relieving arthritis and headaches.



**Far infrared rays are composed of radiant and wave energy. When radiant energy is high and wave energy is low, there will be high heat generation, but penetration into the body is weak.**

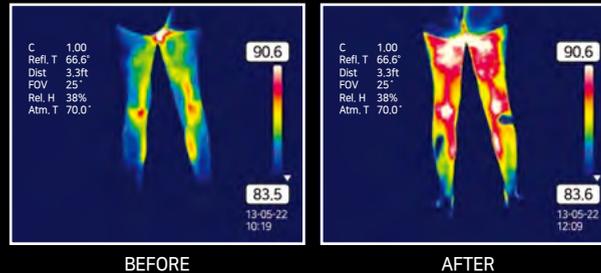
Lab processed gemstones and ceramics increase the amount of radiant energy, but wave energy is reduced, so far infrared rays cannot penetrate deep into the body. All high-value products use natural gemstones and ceramics instead of processed crystals and ceramics to avoid low wave energy output.

Germanium's wave energy is more than 0.4 microns, and its wavelength is about 2000-3000 times per minute. Germanium's far infrared rays with this large wave energy penetrates deep into the human body, and it increases its circulation.



## MAXIMUM THERMAL RESONANCE EFFECT

GERMANIUM POWER PAD 187



**When heat is applied to germanium oxide (GeO<sub>2</sub>), a large amount of germanium's radiant heat and far-infrared rays are emitted.**

This generates ion particles of inorganic germanium. This pharmacological action is excellent for the body. Particularly, the ion particles of inorganic germanium promote oxygen supply to cells and compensate for oxygen deficiency. These ion particles also aid in purification and circulation of blood by reaching into the capillaries and moving electrons in the blood.

In addition, it discharges the flow of excess electrons to avoid various pains, promote metabolism and bioactivation, and strengthen the body's natural healing power. Inorganic germanium acts pharmacologically in the body up to 24 to 48 hours, after which time it is completely excreted in the form of sweat and urine. Toxins, heavy metals and wastes from the body are carried out through these processes.

## GERMANIUM'S FEATURE

BETWEEN METALS AND NONMETALS



Germanium's greatest feature is that its electrical properties are semiconductors with intermediate properties between metals and nonmetals. This feature of germanium is the reason it is referred to as a miracle substance which has the potential to treat various diseases of the human body.

Germanium has four electrons which move freely in its atomic structure. When its temperature rises, it releases electrons and an abundance of negative ions. These anions keep the body's pH level in balance – improving natural immunity.

Germanium promotes the secretion of interferon. Interferon is an antiviral substance found by Dr. Isaacs and Lindemann in England in 1957. It plays an important role in our immune system. Therefore, when heat is applied to germanium, it improves the activity of NK cells, T cells, etc., and helps the body's immune activity.

## GERMANIUM POWER PAD 187 LAYERS

- 1 100% Cotton Layer
- 2 Waterproof Silicon Layer
- 3 1st Germanium Layer
- 4 Anti-Bacterial & Anti-Odor Layer
- 5 2nd Germanium Layer

