

optocoheren[®] 4 in 1

PDT LED System

- Repair Skin
- Whiten and Rejuvenate Skin
- Remove Wrinkles



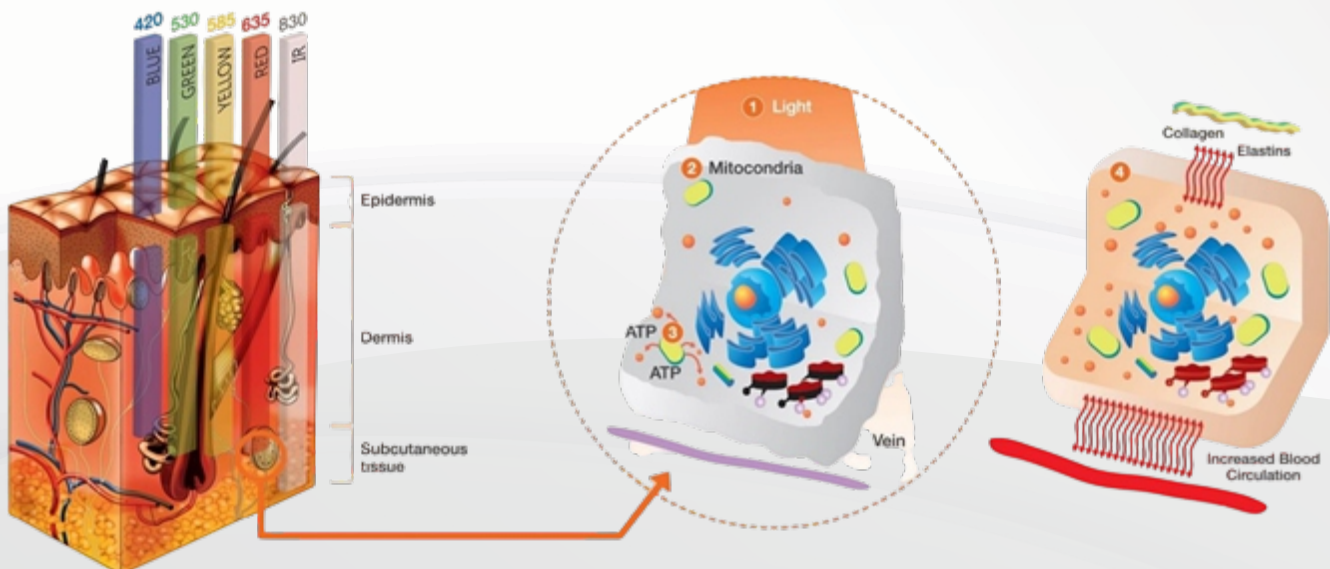
4 in 1 OPTOCOHEREN PDT LED System

● Product Overview

The principle of 4 in 1 OPTOCOHEREN PDT LED System comes from a NASA study, in which researchers observed a five-fold increase in the growth of fibroblasts and muscle cells in tissue cultures by using different optical exposures. This research result has been affirmed by beauty experts, and has been widely used in beauty products.

● How it Works

As the latest high-tech product, 4 in 1 OPTOCOHEREN PDT LED System adopts the gene biological wave light source with the original imported LED from the United States with a purity of more than 99%, which has non-photothermal effect. After irradiation, skin tissue fibroblast hyperplasia and dermal collagen fiber structure reconstruction are stimulated to restore luster and elasticity of the skin, and have the functions of whitening, smoothing, repairing and anti-oxidation.



Treatment Principle

● Red Light (630nm)

Selectively absorbed by pigments and blood vessels, it effectively brightens and rejuvenates the skin, improves blemishes, reduces redness and pigmentation, diminishes scars, and promote the repair of damaged skin.



● Blue Light (420nm)

Effectively suppresses inflammation, eliminates Propionibacterium acne, reduces acne formation, and treats active acne.



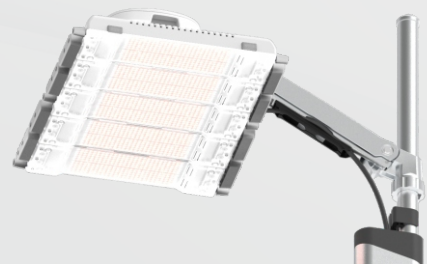
● Yellow Light (590nm)

Effectively improves microcirculation, regulates cellular activity, reduces blemishes, inhibits melanin production, and improves freckles. As a result, it helps address age-related skin concerns and delivers a radiant, healthy-looking complexion.



● Infrared Light (830nm)

Infrared radiation has strong penetrating ability into the skin and subcutaneous tissue, gently increasing tissue temperature to promote blood circulation and metabolism. It provides thermal, anti-inflammatory, and regenerative effects, supporting tissue repair and overall skin health.



Product Advantages

- Folding design, saving space, easy to move. The treatment head can rotate 190 degrees up and down, 90 degrees left and right.
- Movable arm, freely adjustable, suitable for various occasions (lying or sitting).
- Microcomputer control, power function, more reliable performance. With timer, can automatically shut down.
- The arc-shaped head is designed to adapt to facial features.
- Simple and clear liquid crystal display makes operation easier. It can be operated without professional personnel.
- It has seven different light sources (red, blue, yellow, and mixed light), suitable for different treatment needs.
- Super long service life, stable performance and long continuous working time.
- No thermal effect, can avoid thermal damage to the skin, without any risk of burns.
- Non interventional therapy does not affect life and work. After treatment, no special care is needed, and make-up can be normal.
- No damage to the skin during the treatment, no side effects.

Technical Specifications

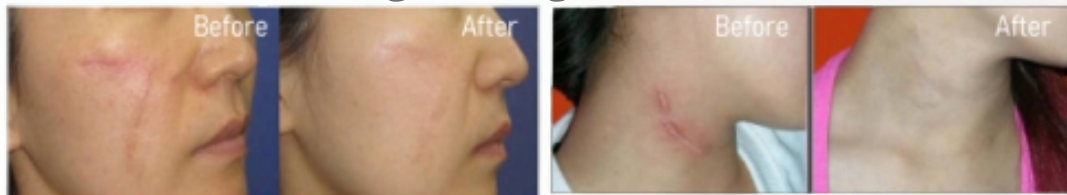
Light Source	LED Gene Biolight
Output Wavelength	Red Light 630nm $\pm$ 10nm Blue Light 420nm $\pm$ 10nm Yellow Light 590nm $\pm$ 10nm Infrared 830nm $\pm$ 10nm
Light Spot Area	350nm x 240nm
Irradiation Head Surface Temperature	<40°C
Output Power	R 20mW / cm ² , B 25mW / cm ² Y 10mW / cm ² , IR 20mW / cm ²
Input Power Supply	100 – 240V or 110VA 60Hz
Timing Control	Menu setting 0 – 30min continuously adjustable
Dimension (Length Width Height)	630mm x 245mm x 560mm
Weight	12.5kg
Operating Voltage	100 – 220V, 50Hz / 60Hz $\pm$ 1%
Atmospheric Pressure	86 – 106kPa

Before and After

The clinical cases for acne treatment:



Clinical cases for lightening scars:



Other clinical cases of treatment:



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