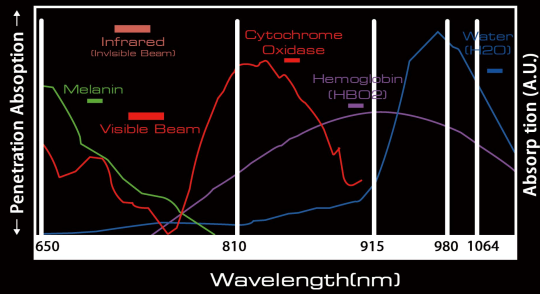


WAVELENGTHS



Why Is Power Important?

The wavelength determines the penetration depth of the laser energy, and the power determines its saturation at the target depth. Power (watts) is the rate of laser energy transfer, which refers to the number of radiation photons that can be transferred in 1 second. The power multiplied by the time is the total energy that can be delivered to the tissue in one laser therapy session, which is the total dose. The target tissue can only cause a clinical response if it receives a certain dose, so the dose must be able to reach the target tissue. LUNVET® Max **26.2W** will be able to deliver the required laser treatment dose (energy) to deeper target tissue in a shorter time.

LUNVET veterinary laser can output 4 wavelength laser of 650nm, 810nm, 915nm and 1064nm simultaneously or separately according to doctor's demand. They are located on the absorption peaks of melanin, Cytochrome c Oxidase (COO), hemoglobin and water, and can be absorbed by the skin layer, mitochondria, blood and other elements to promote local microcirculation in the focal area, improve oxygenation capacity, produce rich energy material ATP for tissue healing, and increase cell function and tissue repair.

650nm- Accelerates Surface Healing.

It can be highly absorbed by the melanin in the skin, inhibiting bacteria and promoting cell growth, so 650nm has incredible effects on wound healing and scar tissue regulation.

915nm- Enhances Oxygen Delivery

The faster the release of oxygen molecules in the blood, the more sufficient nutrients are needed for cell self-healing. The 915nm laser is at the absorption peak of hemoglobin, and when the laser energy is greatly absorbed, more oxygen molecular nutrients can be absorbed by the cells.

810nm- Increases ATP Production

Directly stimulates Cytochrome c Oxidase (COO), the enzyme responsible for oxygen consumption in the mitochondrial electron transport chain, and accelerates the process and increases cellular ATP production. It is mainly used to treat acute/chronic inflammation, provide pain relief and reduce bacteria in veterinary surgery.

1064nm- Improves Treatment Depth

Newly increased the long wavelength—1064nm, reduced the absorption of dark skin, and improved the treatment for musculoskeletal and arthritic pain and even cartilage growth that improves treatment depth and safety.

Applications



Anti-inflammation

Treatment with LunVet inhibits the production of pro-inflammatory molecules to have an anti-inflammatory effect and rapidly relieves symptoms.



Accelerate Healing

Treatment with LunVet stimulates the synthesis of ATP in cell mitochondria, accelerates tissue repair and speeds up healing.



Swelling Reduction

Treatment with LunVet dilates the blood vessels (NO), accelerates circulation of body fluids and eliminates oedema and hematoma.



Pain Relief

Treatment with LunVet stimulates the secretion of analgesics (endorphins), resulting in significant pain reduction and function improvement.

YB MEDICAL Co.,Ltd

#614, Hyundai Tera Tower, 8, Ori-ro 651beon-gil, Gwangmyeong-si, Gyeonggi-do, Republic of Korea

TEL : +82-2-6101-8899
 MOB : +10-2427-9896 / +10-6455-2635
www.ybmedical.co.kr



LUNVET4

SUPER POWER VETERINARY LASER

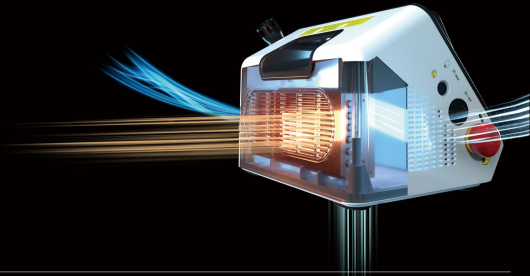
4 Wavelength - 650nm | 810nm | 915nm | 1064nm



YB MEDICAL
 (주)와이비메디칼

Highly Efficient Cooling System Continuous and Stable Operation

🕒 10000 hrs+



● Super Silent System

It makes the treatment process more quiet and comfortable, and animal friendly.

● Built-in Professional Protocols

All are developed and proven by veterinary experts. Veterinarians can get started quickly and support customized required by veterinarians.

● Smart Vision

Through clear and intuitive visual guidance of vet body parts, users can reduce cognitive load and accurately achieve treatment goals.

● Versatile and Expandable

The optional 4-in-1 handpiece supports surgical treatment, extending clinical scope and providing actual value for money.

● Safer and Smarter

It automatically prompts the selection of matching treatment optical TIP, providing primary physicians with safe and effective operations.

● Specialism Breeds Excellence

LUNRAY only focuses on laser, LunVet® can match or even surpass the world's top brands, including future brands, in the fields of laser technology, hardware, software, accessories, clinics and services.

Accessories



Zoom Tip
Spot size adjustable
15-30mm



Massage Tip
Warm and massage
stimulation for maximum
energy absorption, making
the treatment more
comfortable and effective.



ENT Tip
For the treatment of small
injured areas and
acupuncture.



**ALL-IN-ONE
SURGICAL HEAD
(Optional)**

Specifications

Laser Type	650nm, 810nm, 915nm, 1064nm
Maximum Power	(200mW / 8W / 10W / 8W) 26.2W
Operation Mode	Continuous wave(CW), Pulse, Power pulse
Pulse Frequency	1Hz to 20,000Hz
Aiming Beam	650nm +/- 10nm
LCD Touch Screen	7 inches, the retina screen, 1280*800
Power Requirements	100-240V, 50-60Hz, 2.5A
Dimensions	280mm(L)*180mm(W)*160mm(H)
Weight	2.5KG
Packaging Dimensions	62cm*34cm*43cm
Packag Weight(GW)	8KG

4 Wavelengths Combined Action For Countless Applications

- DERMATOLOGY
- MUSCLE-TENDON HEALING
- JOINT PROBLEMS
- ORAL PATHOLOGY
- NERVES DISEASE
- POST-SURGICAL REHABILITATION
- ANY PAIN, SWELLING OR WOUND HEALING
- LASER CUTTING AND COAGULATION

