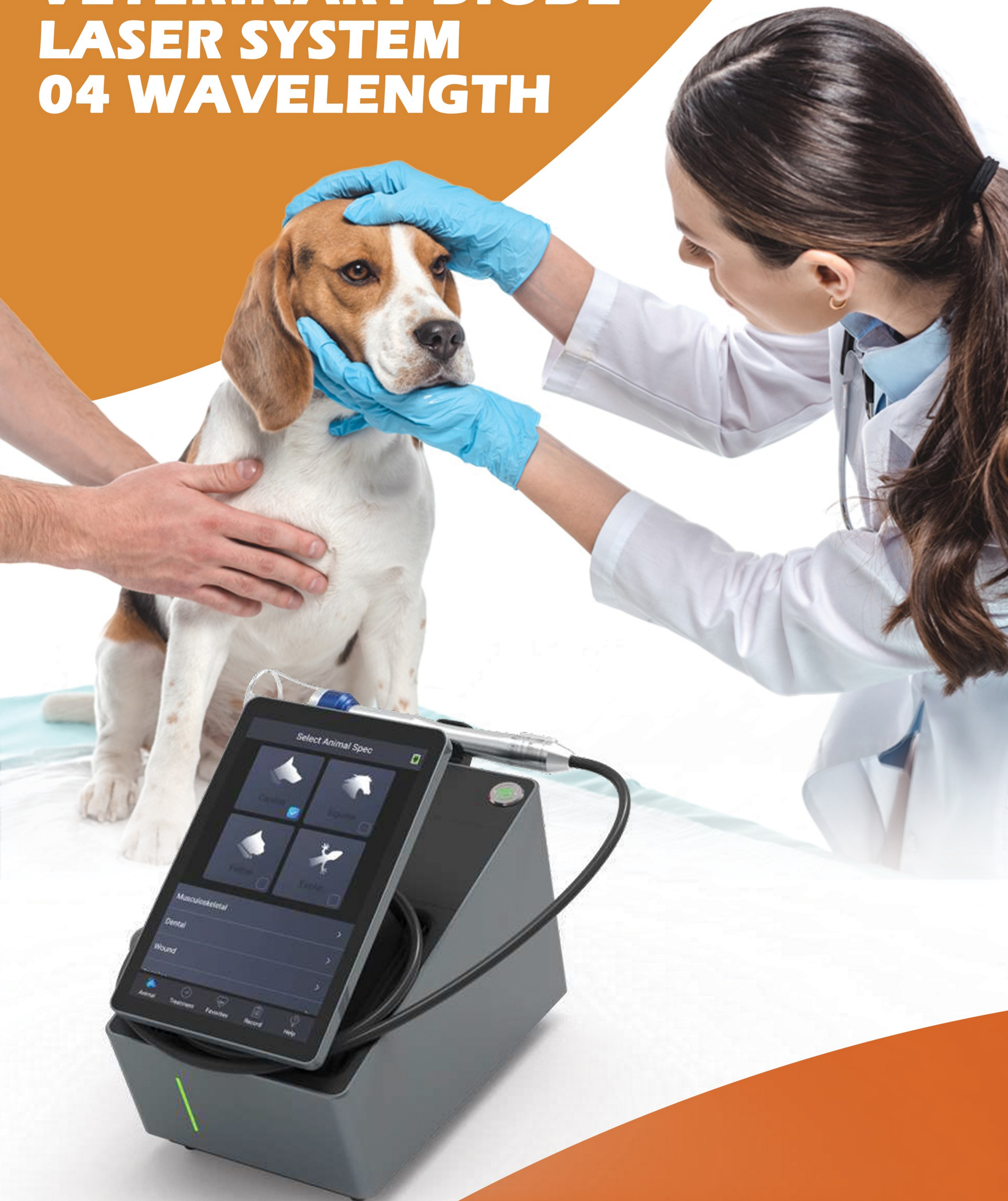


# VETERINARY DIODE LASER SYSTEM 04 WAVELENGTH





# What Is Veterinary Laser Therapy ?

Veterinary laser therapy is an innovative treatment that has gained popularity in recent years as veterinarians discover its benefits for pets. Therapeutic lasers use light waves of a specific wavelength to cause photobiomodulation, or the alteration of cellular and tissue physiology. Light absorbed by cellular components stimulates electrons and activates cells to promote growth, proliferation, migration, and repair.

## ARPhotonics Veterinary Laser Therapy : Therapeutic Effects

- **Pain Relief**

Laser decreases nerve sensitivity by decreasing bradykinin. It normalizes ion channels and releases endorphins and enkephalins that produce an analgesic effect.

- **Anti-inflammatory**

The light from the laser can decrease the release of pro-inflammatory chemicals, thus reducing the inflammatory signals in the region.

- **Accelerated Tissue Repair and Cell Growth**

Laser light stimulates fibroblast development in damaged tissue. And photons of light from lasers penetrate deeply into tissue and accelerate cellular reproduction and growth.



### Application



INFLAMMATIONS



WOUNDS



PAIN



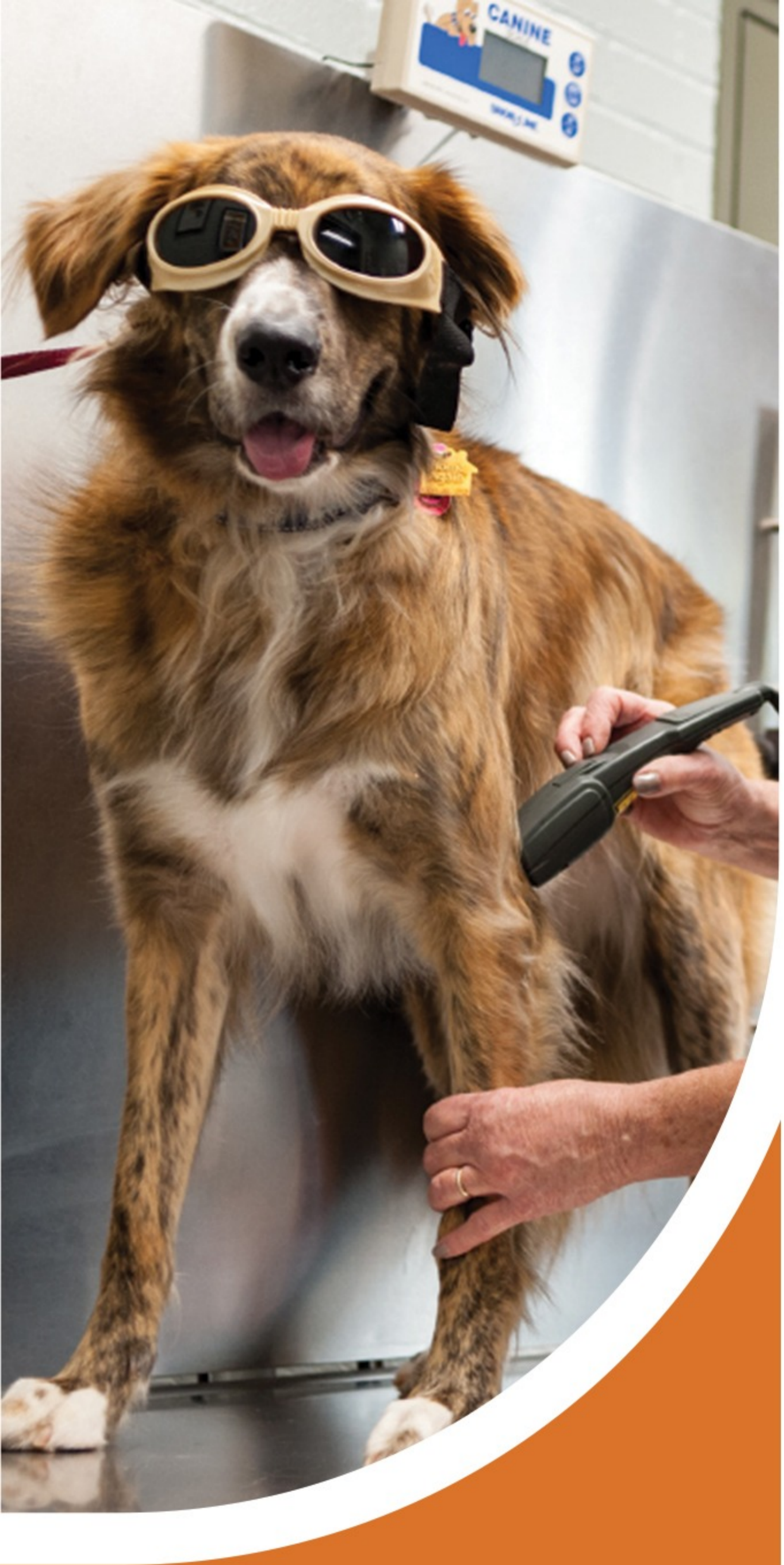
TRAUMAS



INFECTIONS







## ARPhotonics Veterinary Surgery Laser for Various Laser Surgeries

ARPhotonics veterinary laser is available for treating a multitude of animal ailments in different conditions. The lasers can be effortlessly applied by veterinarians in numerous surgery procedures with optimal medical practice experience:

- Acral Lick Granuloma Ablation
- Anal Sac Abscessation
- Castration
- Ceruminous Ade no carcinoma
- Chronic Ulcer Debridement and Sterilization
- Cranial Cruciate Ligament Rupture
- Cutaneous Masses
- Declaw
- Deep Mass Removal
- Epibulbar Melanoma
- Fibro Sarcoma
- Graft Bed Preparation
- Granulation Tissue Shaving
- Hemangiopericyoma
- Hemostasis
- Hepatic Carcinoma
- Liposarcoma Resections
- Malignant Melanoma
- Mast Cell Tumors

## THE MOST SAFE PAIN RELIEF

### Less Bleeding

The small blood vessels can be sealed precisely, and the bloodless field can be achieved by its controlled tissue ablation.

### Less Pain

No anesthesia, the nerve endings can be sealed perfectly as the 980nm laser moves through tissue, and the 650nm wavelength can greatly shorten the treatment cycle and the pet would feel less pain post-operatively.

### Less Swelling

With its precision cutting, no crush, tear or bruise to surrounding healthy tissue.

In laser surgery, a highly focused laser beam emitted by ARPhotonics diode laser system can efficiently ablate (either vaporize or chip away) the living tissue. At the same time, it seals (welds) capillaries, small blood vessels, lymphatics, and nerve endings, providing significant benefits for both animals and veterinarians:

- High Control Accuracy in Cutting, Vaporization, Condensation and etc.
- Less Bleeding
- Less Postoperative Pain for Animals
- Minimally Invasive Surgery, Small Wounds
- Reduced Risk of Infection
- Fast yet Precise Control Ensures Shortened Operation Time
- Fast Healing Speed After Laser Surgery

## THE MOST EFFECTIVE PAIN RELIEF







## FOR ALL PATIENTS

### INTUITIVE INTERFACE & COMPLETE PRESET PROTOCOLS

- **Complete Advanced Preset Protocols & Customization Function**

AR Photonics lasers are developed with hundreds of in-built therapy protocols and powerful functions that users can effortlessly perform various types of treatments and settings in a few clicks.

- **Android Intuitive Interface With Step-by-Step Guidance for Treatment**

The user interface is easy and clear that can guide doctors to operate various therapy treatments and settings step by step on the high-resolution touch screen.

- **Multi-Wavelength Combination for You to Choose**

Class IV Veterinary Lasers of single wavelength, dual wavelengths, quad wavelengths or etc. provide high flexibility and high fitness for different clinical conditions

- **Create Individual Settings And Save Favorites**

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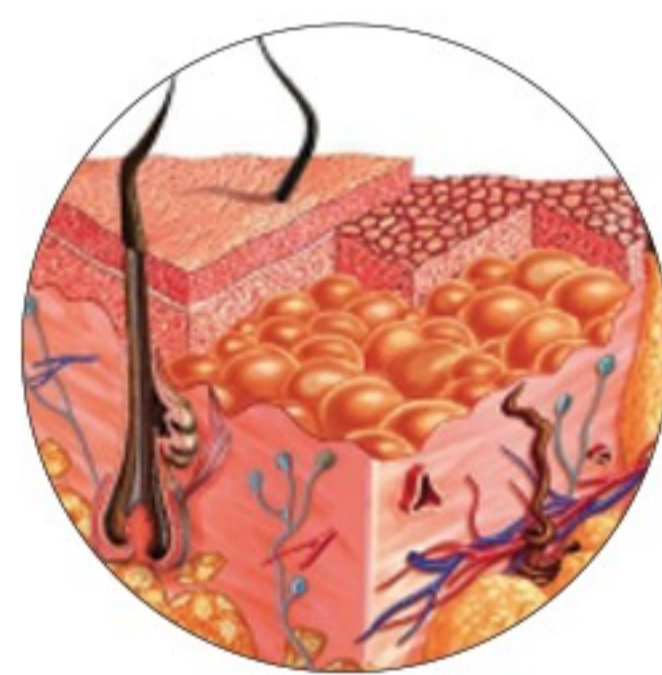
You can create your own parameters and save them as your favorite for quick access in the future.

- **Save Treatment Record**

You can save and view the treatment records of each stage of patients, such as date, treatment mode, time, power, total joules, etc.

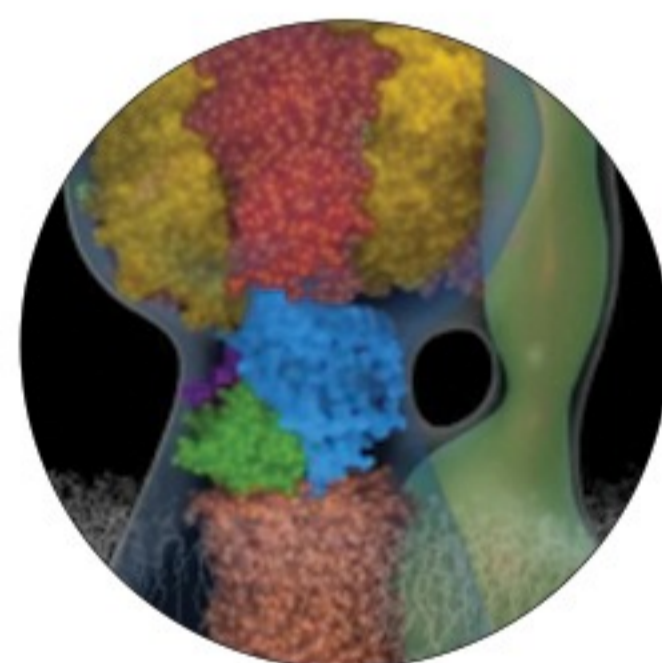


### 4 WAVELENGTHS



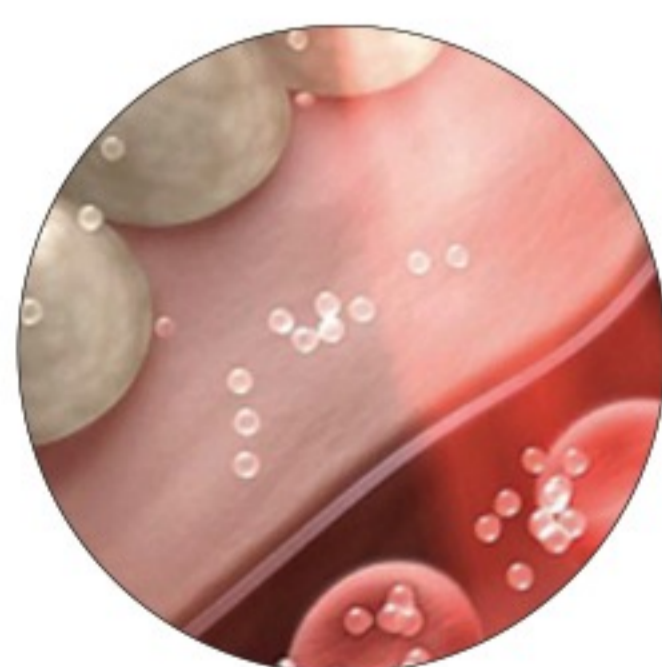
#### 650nm

Laser therapy will inhibit bacteria and promote cell growth in the superficial tissue layers, as a result, best in wound healing and scar tissue regulation.



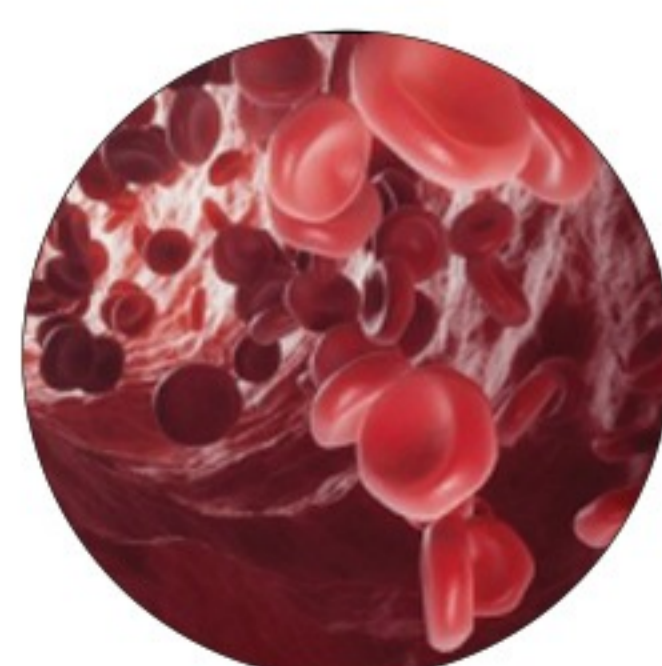
#### 810nm

Photo absorption will accelerates ATP cellular production for each oxygen reduction cycle.



#### 915nm

Better absorption in water of our body, lower tissue penetration capacity, absorbed near surface, laser energy transformed heat creates warm feelings and analgesic effect.

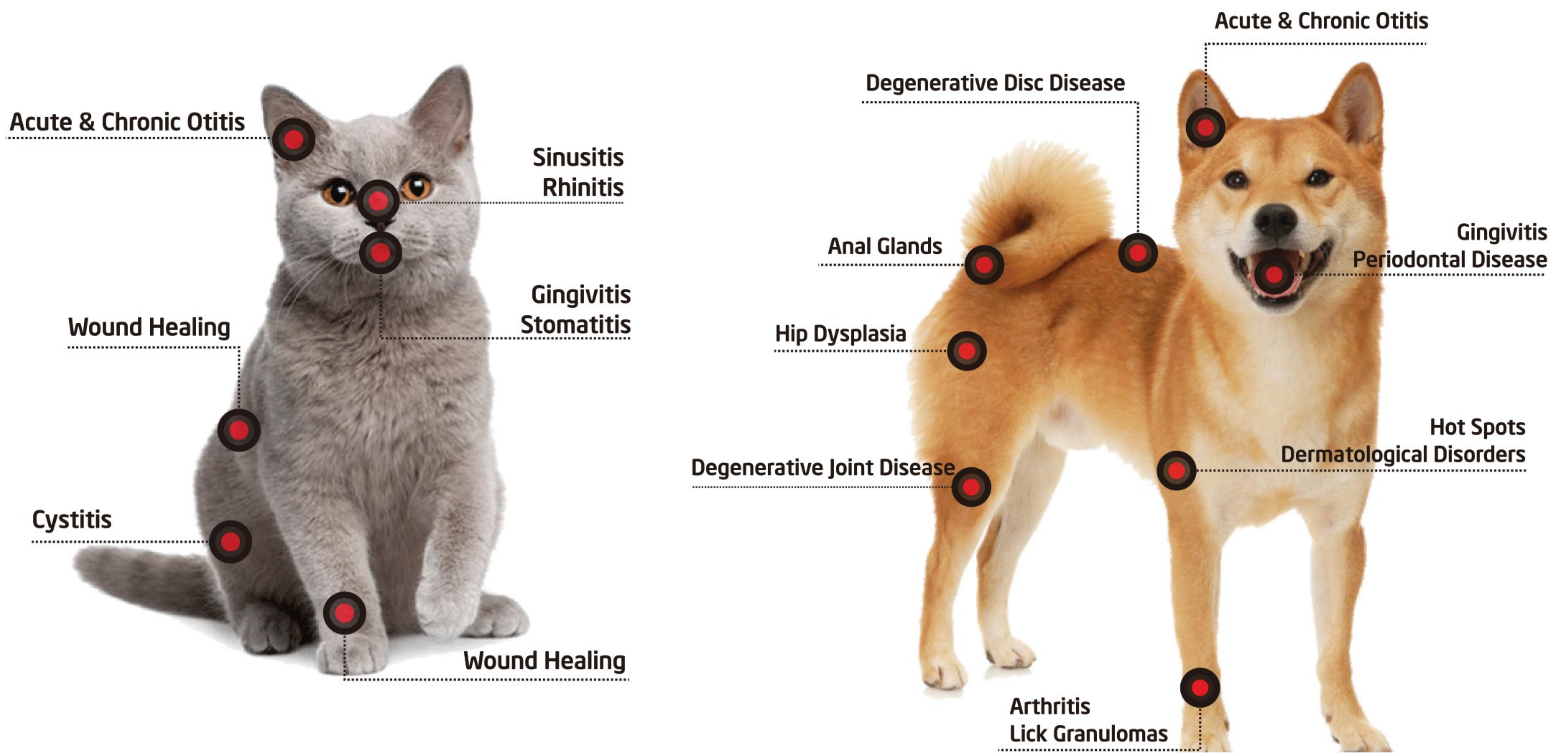


#### 980nm

Better tissue penetration avoiding water for adequate laser dose into deep tissues for a acceleration of cellular activity.



# VETERINARY CLINICAL APPLICATION



## FEATURES OF THE PRODUCT

- Light weight and handy, easy to carry.
- Simple operation, starts once turn it on.
- Four wavelengths combination, comprehensive treatment, multi-level penetration, accelerating wound healing of the superficial, as well as relieving muscle and bone pain in deep level.
- 300+ Built in treatment preset, professional and safe.

## ACCESSORIES



Multifunctional therapy handpiece



Disposable Tips



2 Doctors Safety Glasses



2 Patients Safety Glasses



Foot Switch



Carrying Case



# TECHNICAL SPECIFICATION

Laser Type	Diode, Semiconductor
Wavelength	10w/980nm+10w/810nm+10w/915nm+300mw/650nm
Maximum Power	30.3watts
Aiming Beam	650nm
Operating Mode	Continuous or Repeat Pulses
Pulse time	1ms-3S
Beam Delivery	Fiber Optic with SMA 905 Connector
Optical Fiber	Core Diameter 400um up to 800um
Beam Emission Initiation	Footswitch
Display	7"inch Full touch screen.
Device Weight	3.65KG
Laser Safety Class	4
Device Safety	Emergency Shut down key



## CONTACT US

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## DISTRIBUTOR

