

PetCellpen®

cordless
mobile

Direct cold plasma therapy for
small animal medicine



PetCellpen®

Selected indications

Dermatology

- Acne
- Pressure sores
- Demodex
- Dermatomycosis
- Scars
- Malassezia dermatitis
- Pyoderma (hotspots)
- Problems with wound healing
- Burns

Orthopaedics

- Arthritis
- Sprain
- Hyperextension syndrome (carpus)
- Myositis
- Spondylosis of the lumbar spine
- Tendinitis of the biceps tendon
- Tendinitis of the supraspinatus muscle

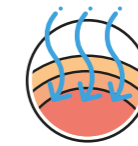
Physiotherapy

- Muscle spasms of the spine
- Trigger points
- Post-operative healing
- Haematomas
- Muscle relaxation



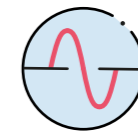
Why the PetCellpen® is ideal for your veterinary practice

- The pen is easily manageable, easy to use and requires no auxiliary materials.
- Thanks to application-specific electrodes and variable settings, the range of its uses is very broad.
- The glass electrodes' small treatment surfaces are perfectly suited for small animals.
- With its numerous indications, the pen is ideal for day-to-day practice.
- Interruption-free work thanks to a long operating time and replaceable battery.
- And not least because it supports you in the fight against multi-resistant micro-organisms!



Principle of action: direct cold atmospheric plasma (dCAP)

The cordless pen successfully generates a high voltage from the power of a small 3.7-volt battery to produce therapeutic dCAP. The plasma current can be directed precisely onto the skin surface to be treated with the help of variously shaped glass electrodes. The medical effect of dCAP has been proven in numerous studies.



Cell activity stimulation: promotes healing and inhibits inflammation

dCAP directly stimulates the body's cells and changes their behaviour. Healing processes are promoted through increased cell proliferation, inflammation is reduced by influencing the formation of cellular mediators, and the immune system is boosted. Tissue remodelling is improved.



Promotion of blood circulation leads to faster healing

dCAP has an immediate and lasting hyperaemic effect on the treated tissue. The formation of new blood vessels is also stimulated. This improves the metabolism and accelerates healing.



Antimicrobial and anti-parasitic effect

The reactive species of dCAP, which contains ozone, hydrogen peroxide and other oxygen and nitrogen radicals, have a powerful antiseptic effect that does not encounter any resistance problems and is therefore effective against multi-resistant micro-organisms (e.g., MRSA). dCAP also has a fungicidal effect and has been shown to impair ectoparasites (lice, demodex).

The PetCellpen® and its functions



Place the interchangeable glass electrode of your choice directly on the patient's skin to transmit the electrical impulses. No need for shearing or use of a contact agent.

The Impulse/s setting determines the pulse frequency from 1 to 100 Hz according to the indication and recommendations in the Therapy Guide.

The rotary „Amplitude“ control is used to switch the device on and off. Turning the control determines the device's output power and consequently the intensity of the therapy.

PetCellpen® Set*

Art. PET-100



- 1 pen
- 2 glass electrodes of your choice
- 2 rechargeable batteries
- 1 charging station with cable
- 1 disinfection spray

* The picture shows all available glass electrodes. Only two are included.

Technical data

- Medical plasma source in accordance with DIN SPEC 91315, tested by INP (Leibniz-Institut für Plasmaforschung und Technologie e.V.)
- Cordless high-voltage generator for generating cold atmospheric plasma (CAP)
- Plasma is generated through direct dielectric barrier discharge (dDBD)
- 5 different shapes of glass electrodes with inert gas mixture
- Antibacterial device coating
- Battery insert on the back of the unit, exchangeable

Glass electrodes available individually in Switzerland



Curved

Art. CP 100-210
Intense, spot-focused impact with improved depth of penetration, especially for orthopaedics



Straight

Art. CP 100-220
Universal use, spot-focused or wide-area (lateral) application, dermatology and orthopaedics



Comb

Art. CP 100-230
Especially suitable for longer coats and for multi-point use: muscles, back conditions



Disc

Art. CP 100-240
Especially for dermatology, wide-area, gentler effect, for sensitive, painful areas



Crystal

Art. CP 100-250
Bundled with integrated glass crystal, for concentrated action as well as acupuncture



3-year guarantee



Made in Switzerland

Length (without electrode)	24,5 cm
Weight (without electrode)	200 g
Pulse range	1 - 100 Hz
Maximum output voltage	25 KVAC
Maximum output power	0.47 μW/cm ²
Battery runtime	30 - 90 min
Battery charging time	90 min

Exclusive distribution partner for Switzerland and Liechtenstein

medicalsolutiongmbh
the animal care company

medical solution gmbh
Tonhallestrasse 47

9500 Wil SG
Switzerland

Tel +41 41 741 52 75
Fax +41 41 741 57 75

info@medical-solution.ch
www.medical-solution.ch

PetCell® is a business unit of

ActivCell Group AG
Luzernerstrasse 20
6295 Mosen
Switzerland

www.activcellgroup.com
www.petcell.ch