IONTOFOR-VET is an administration set designed to deliver products into the corneal stroma with IONTOPHORESIS in only 5 minutes.

- Short Anesthesia time
- Totally Non-invasive
- Save Doctor’s time
- Less prescriptions
- Improved compliance
What is IONTOFOR-VET Electrode?

IONTOFOR-VET is a medical device for the transepithelial delivery of Intravenous (I.V.) products into the cornea stroma by IONTOPHORESIS.

IONTOPHORESIS is a process which increases the penetration of a charged substance into or through a tissue by application of a low intensity electric field.

IONTOFOR-VET is a corneal applicator with an electrode that enables the rapid passage of products into the corneal stroma by application of a low intensity electric field (Iontophoresis).

IONTOFOR-VET Electrode is connected to the electrical generator ION-CXL.

Mild electric current (1 mA) is applied for 5 minutes.

What is IONTOFOR-VET for PACK-CXL?

IONTOFOR-VET is a medical device for the transepithelial delivery of Riboflavin (0.1%) in the cornea by IONTOPHORESIS.

PACK-CXL stands for “Photo-Activated Chromophores for Keratitis” and CXL stands for Cross-Linking.

Riboflavin is a chromophore photo-activated in-situ with UV-A at 365 nm wavelength from a UV source.

Once photo-activated with UV-A light, Riboflavin acts as a disinfectant, with pathogen’s nucleic acid damage and creation of massive amounts of reactive oxygen species, reducing the pathogen load.

Riboflavin also changes the structure of collagen fibers, reducing collagenase.

Which equipment is needed for IONTOPHORESIS?

OPIA Technologies supplies IONTOFOR-VET Electrode, a sterile corneal iontophoresis applicator (products to deliver not included) or IONTOFOR-VET kit that includes the Electrode and a RIBOVET vial (0.1% Riboflavin solution) for PACK-CXL procedures.

OPIA Technologies also supplies ION-CXL, a reusable generator delivering 1 mA during 5 minutes.

In option, OPIA Technologies supplies FOAM Insert, an accessory useful for the treatment of standing animals, fragile corneas or extended lesions.

A UV-A source delivering a total dose of energy of 5,4 J/cm² is needed to activate in-situ the Riboflavin (not supplied by OPIA Technologies).

Which products can be delivered by IONTOPHORESIS?

IONTOFOR-VET electrode can be supplied alone for the administration of products listed below (products not supplied, I.V. presentations mandatory) or in a kit with Riboflavin (formulated for Iontophoresis).

Negatively charged products (use black ION-CXL lead):

- Antibiotics: Ceftazidime, Cefazolin, Tobramycin
- Antivirals: Foscarnet, Ganciclovir
- Anti-inflammatories: Dexamethasone, Methylprednisolone, Aspirin
- Immunosuppressant: Methotrexate
- CXL Agent: Riboflavine

Positively charged products (use red ION-CXL lead):

- Antibiotics: Vancomycin, Amikacin, Gentamicin, Ciprofloxacin, Ticarcillin
- Antifungals: Ketoconazole, Miconazole

IONTOFOR-VET Electrode characteristics

<table>
<thead>
<tr>
<th>Diameter</th>
<th>9 mm</th>
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<tr>
<td>Surface</td>
<td>0,64 cm²</td>
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<tr>
<td>Volume</td>
<td>Min. 1 ml - Max. 2 ml</td>
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IONTOFOR-VET, IONTOFOR_VET Electrode, ION-CXL and FOAM inserts are for veterinary use only.
Consult instruction for use.
Ordering Information
Website: www.iontoforvet.com - Order: sales@opiatech.com - Information: contact@opiatech.com