NEOSTIVAP

Injectable Solution
Anticholinesterase for cattle, sheep, horses & swine

COMPOSITION: Each ml contains:
Neostigmine methylsulfate: 0.5 mg

PROPERTIES:
- Neostigmine is an anticholinesterase drug, used for most commonly to stimulate muscle control.
- Its action is to competitively inhibit acetylcholine (ACh) from attaching to acetylcholinestase (AChE) binding sites, where ACh is normally broken down by hydrolysis. This allows ACh to persist for a longer period of time enhancing transmission across neuromuscular junctions.
- Activates the urinary tract movements.
- Eliminates the retained ingesta in the stomach and intestine in short time.
- Fast high efficacy with long lasting characteristics.

INDICATIONS:
In cattle, horses, sheep and swine.
- ✓ Rumen atony.
- ✓ Initiating peristalsis for bowel.
- ✓ Emptying the urinary bladder.
- ✓ Stimulating the skeletal muscle contraction.

DOSAGE:
- ✓ **Cattle, sheep and horses:**
  - 2 ml/45 kg B.Wt. by subcutaneous injection.
  - These doses may be repeated as indicated.
- ✓ **Swine:**
  - 4-6 ml/45 kg B.Wt. by intramuscular injection.
  - These doses may be repeated as indicated.

CONTRAINDICATIONS:
The drug is contraindicated in:
- In animals with peritonitis.
- Mechanical, intestinal or urinary obstruction.
- Late pregnancy.
- In animals hypersensitive to this class of compounds, or treated with other cholinesterase inhibitors

PRECAUTIONS & WARNINGS:

- Use neostigmine with caution in animals with epilepsy, peptic ulcer disease, bronchial asthma, cardiac arrhythmias, hyperthyroidism, vagotonia, or megacolon.
- Atropine will antagonize the muscarinic effects of neostigmine, but concurrent use with neostigmine should be used cautiously as atropine can mask the early clinical signs of cholinergic crisis.

ADVERSE EFFECTS:

- Due to its cardiovascular and vascular effects, neostigmine can adversely affect an unstable circulation situation.
- The vagal tonus increased by neostigmine can also have a curative effect for the occurrence of cardiac arrhythmias (atrial fibrillations) and blockages (atrioventricular block).
- When overdose, muscle weakness, diarrhea, miosis, bronchospasm, bradycardia and circulatory collapse occur.

WITHDRAWAL PERIOD:

Not for use in animals producing milk.

STORAGE:

- Keep in a dry, dark place below 30 ºC.
- Keep out of reach of children.

For Vet Use Only