Sedator + Atipam

The value plus combination
### Medetomidine – predictable and reliable effects
With its active component medetomidine hydrochloride, Sedator is one of the most known and used pharmaceuticals for the premedication, sedation and analgesia in dogs and cats. Because of that, much is known about the excellent tolerability, safety and predictability.¹

### Valuable composition
Above mentioned positive effects can be attributed to the combination of dexmedetomidine and levomethomidine.²

### Sedative and analgesic effects of medetomidine and dexmedetomidine in the dog

#### Intravenous administration

“No significant differences were observed between the sedative (Fig 1a) and analgesic (Fig 2a) scores after the intravenous doses of the two drugs at any time point”.²

#### Intramuscular administration

“A significant treatment by time interaction (P<0·004) was observed for the sedative (Fig 1b) and analgesic (Fig 2b) scores for the intramuscular route of administration, which indicated that the effects of medetomidine were greater than those of dexmedetomidine during the first 30 minutes, but that after the peak of sedation and analgesia, the scores for the two drugs were not significantly different”.²

### Valuable authorisation
- Authorised for dogs and cats of all ages
- Available as 5, 10 and 20 ml vial
Atipam – predictable and reliable effects
Atipam contains atipamezole hydrochloride 5 mg/ml. Administration will result in a quick recovery of consciousness and mobility. The decreased heart rate and – cardiac output, effects which can be attributed to the dexmedetomidine component, are very quickly antagonized.

Valuable composition
Research based data shows that atipamezole completely and equally antagonizes medetomidine as well as dexmedetomidine. No differences can be found in the ability to antagonize either medetomidine or dexmedetomidine.

“The fact that the dogs recovered similarly from dexmedetomidine or medetomidine sedation and analgesia after the administration of atipamezole indicates that this α2- adrenoceptor antagonist can restore dogs to their normal presedation demeanour effectively and reliably. The clinical effectiveness of atipamezole did not appear to depend on the presence or absence of levomedetomidine”.

Convenient dosing protocol

<table>
<thead>
<tr>
<th></th>
<th>DOG</th>
<th>CAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sedator (1 mg/ml medetomidine)</td>
<td>Equal volume</td>
<td>Half of the Sedator volume</td>
</tr>
<tr>
<td>Dexmedetomidine (0,5 mg/ml dexmedetomidine)</td>
<td>Equal volume</td>
<td>Half of the dexmedetomidine volume</td>
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</tbody>
</table>

Valuable authorisation
- Authorised for dogs and cats of all ages
- Also authorised for use with dexmedetomidine mono formulations
- Available as a 5, 10 and 20 ml vial
Sedator + Atipam

The value plus combination

Sedator
1 Medetomidine – predictable and reliable effects
2 Induction of similar clinical effects as dexmedetomidine
3 Authorised for dogs and cats of all ages
4 Available as a 5, 10 and 20 ml vial

Atipam
1 For effectively antagonizing (dex)medetomidine
2 More swift and – safe patient recovery
3 Authorised for dogs and cats of all ages
4 Available as a 5, 10 and 20 ml vial

Dosage:
For single intramuscular injection in cats and dogs. Use of an appropriately graduated syringe is recommended to ensure accurate dosing when administering small volumes. Atipam is generally administered 15-60 minutes after the medetomidine or dexmedetomidine injection. Dogs: The Atipam relates to the volume of the medetomidine Volume (Sedator® 1mg/ml solution for injection) – or the volume of dexmedetomidine 0,5 mg/ml solution for injection – given. Cats: The Atipam to be administered (in ml) is half the medetomidine volume (Sedator® 1mg/ml solution for injection) – or the volume of dexmedetomidine 0,5 mg/ml solution for injection given. The recovery time is shortened to approximately 5 minutes. The animals become mobile after approximately 10 minutes after administration of the product.

Species | Maximal dose | Effect | Volume
--- | --- | --- | ---
Dog | 10 - 50 µg/kg | Moderate sedation | 0,1 - 0,3 ml/10 kg
Dog | 50 - 100 µg/kg | Moderate to deep sedation and analgesia | 0,5 - 0,8 ml/10 kg
Cat | 10 - 20 µg/kg | Pre-anesthesia | 0,1 - 0,2 ml/10 kg
Cat | 20 - 40 µg/kg | Moderate sedation | 0,23 - 0,38 ml/10 kg
Cat | 100 - 150 µg/kg | Deep sedation | 0,56 - 0,75 ml/5 kg

Adverse reactions:
A transient hypotensive effect has been observed during the first 10 minutes post-injection of atipamezole hydrochloride. In rare cases hyperactivity, tachycardia, tachypnea, apnoea and extended recovery time may occur. To avoid any adverse reactions, the product should be used in accordance with the instructions. For Veterinary use only. For more information please contact Eurovet Animal Health BV, Bladel, Holland.

References

Product information (as example: UK registration)

Sedator®, solution for injection for cats and dogs – POM-V Prescription only medicine. Marketing authorisation number: Vm 16849/4009.
Active ingredient: Medetomidine hydrochloride 1.0 mg/l. Target species: Dogs, cats. Indications: Dogs for restraint, sedation and analgesia. Cats for restraint and sedation.
Contraindications: Medetomidine should not be used in combination with sympathomimetic amines. Cats should be taken with the use of medetomidine in animals with cardiovascular disease or in poor general health. Before using any combinations consult the contraindications and warnings that appear on the other products’ data sheet.
Medetomidine should not be used with thiorphene or propofol in animals with cardiac or respiratory disease.

Sedator + Atipam

Maximal effect is obtained within 10-15 minutes. The clinically useful effect is dose-related, lasting 10-180 minutes, but may be repeated if necessary. Animals should be fasted for 12 hours prior to anaesthesia. Adverse reactions: By virtue of the sedative activity, medetomidine causes bradycardia and hypothermia. Treated animals should be kept in a warm and even temperature during the procedures and for 12 hours after sedation. Blood pressure will increase initially and then return to normal or slightly below. Some dogs and most cats vomit 5-10 minutes after injection. Some cats may also vomit on recovery. In some dogs and cats very slow respiratory rates may be seen.

Contraindications:
Medetomidine should not be used in conjunction with sympathomimetic amines. Care should be taken with the use of medetomidine in animals with cardiovascular disease or in poor general health. Before using any combinations consult the contraindications and warnings that appear on the other products’ data sheet.

Indications:

ATIPAM, 5 mg/ml solution for injection for cats and dogs – POM-V Prescription only medicine. Marketing authorisation number: Vm xxxx/xxxx.
Active ingredient: Atipamezole hydrochloride 5.0 mg. Target species: dogs and cats. Indications: Atipamezole hydrochloride is a selective α2-antagonist and indicated for reversal of the sedative effects of medetomidine and dexmedetomidine in cats and dogs. Contraindications: The product should not be used in breeding animals and animals suffering from liver- or renal disease.

Species | Maximal effect | Volume
--- | --- | ---
Dog | Pre-anesthesia | 0,1 - 0,2 ml/10 kg
Dog | Moderate sedation | 0,23 - 0,38 ml/10 kg
Cat | Moderate sedation | 0,23 - 0,38 ml/10 kg

For Veterinary use only. For more information please contact Eurovet Animal Health BV, Bladel, Holland.

Eurovet Animal Health B.V.
Handelsweg 25
5531 AE Bladel, The Netherlands
P.O. Box 179
5530 AD Bladel, The Netherlands
Tel +31 (0)497 54 43 00
Fax +31 (0)497 54 43 37
www.eurovetanimalhealth.com

Design and realisation: Comcorde Gmfb 8, Bladel, The Netherlands