

Carel's Pharmacy & Compounding Center

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Pharmaceutical Compounding: Helping Vets and Pets

Compounding broadens veterinarians' prescribing options, allowing them to offer customized dosage forms to meet each animal's specific needs and solve medication problems. The goal of compounding for pets, exotics, and zoo animals is to enhance the veterinarian's ability to treat patients in a more effective and efficient manner.

Compounding makes it easier to medicate animals, who readily accept the customized dosage forms. Owners no longer have to risk contracting disease or infection from scratches or bites inflicted by an aggressive animal who is resisting medication, because options now include medicated "treats" and transdermal dosage forms. Transdermal delivery is particularly useful in animals who should not be stressed due to cardiovascular or hypertensive problems. Medicated creams or gels can be applied to the inside of an animal's ear or another closely clipped or hairless area. This dosage form has been successfully used to administer anti-emetics (especially handy for animals who are nauseated by car rides), cardiac or hypertensive drugs, or behavioral therapy. The amount of medication incorporated into the medicated chews or "treats", capsules, topical, transdermal, or liquid preparations can be formulated to the specific request of the veterinarian, thereby eliminating the need for the animal's owner to cut tablets or divide the contents of commercially prepared capsules. The treats or liquid preparations can be custom flavored for the animal. A variety of different flavors are available to use from including: liver, chicken, beef, fish and cheese.

This month's featured compounds are **Potassium Bromide Solution** and **Methimazole 5mg/0.1mL PLO Gel**.

Potassium Bromide Solution aids in the treatment of seizure control in animals. It is dosed to fit the animal's needs and can be compounded into a variety of strengths. It is normally liver flavored but can also be flavored with chicken, cheese or fish.

Methimazole 5mg/0.1mL PLO Gel is a transdermal medication to treat hypothyroidism in felines. It is applied to the inner ear of the feline. The normal dose is 0.05mL (2.5mg) to 0.1mL (5mg) twice daily.

If you have any questions regarding these therapies or any other medication related problems, please call our specially trained compounding pharmacists and staff at (580) 355-4540.