

รายการอ้างอิง

ภาษาไทย

- กรกฎ งานวงศ์พานิชย์ และ ศิริวรรณ องค์ไชย์. การวินิจฉัยโรคข้อเสื่อมในสุนัขโดยอาศัยสารบ่งชี้ทางชีวภาพ. เชียงใหม่สัตวแพทยสาร 2 (2547) : 39-49.
- กัมปนาท สุนทรวิภาต และ สุวิชา จุฑาทเทพ. ความสัมพันธ์ระหว่างอาการขาเจ็บทางคลินิกกับผลทางรังสีวิทยาในสุนัขที่เป็นโรคข้อเข่าเสื่อม. ประมวลเรื่องการวิชาการและการเลี้ยงสัตว์ ครั้งที่ 32 (2549) : 15-20.
- กัมปนาท สุนทรวิภาต, ซาลิกา หวังดี, สุวิชา จุฑาทเทพ และคณะ. ผลการใช้กลูโคซามีนไฮโดรคลอไรด์ คอนดรอยตินซัลเฟตต่อการพัฒนาโรคข้อเข่าเสื่อมในสุนัข. ประมวลเรื่องการวิชาการและการเลี้ยงสัตว์ ครั้งที่ 32 (2549) : 21-29.
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- วรา พานิชเกรียงไกร, ศรินทร หทัยโขคอนันต์ และ ปิยะรัตน์ จันทร์ศิริพรชัย. การใช้ยา A to Z สำหรับสัตวแพทย์. พิมพ์ครั้งที่ 2. กรุงเทพฯ : 2547.

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ภาคผนวก

อุปกรณ์และสารเคมี

สารเคมีและแหล่งที่มา

- Glucosamine hydrochloride (DKSH , Thailand)
- Chondroitin sulfate C sodium (Sigma ,U.S.A)
- EDTA tetrasodium salt (Carlo Erba ,France)
- 95% ethanol (Carlo Erba ,France)
- 1,9 dimethylmethylene blue (Sigma-Aldrich ,U.S.A)
- Formic acid (Acros , U.S.A)
- N-acetyl cysteine (Acros ,U.S.A)
- Papain crude (Acros ,U.S.A)
- Sodium hydroxide (Merck ,Germany)
- Sodium phosphate monobasic anhydrous (Sigma , U.S.A)

เครื่องมือ

- Autopipettes (Gibson , France and Biohit , Finland)
- Centrifuge (Universal 16R Hettich , Germany)
- Deep freezer
- Disposable cuvettes
- EDTA coated tube
- Microtube
- Needle
- Spectrophotometer (UV-160A Shimadzu , Japan)
- Water bath (Hetothem Heto)
- Vortex mixer (Germmy industrial , Taiwan)
- Weighting machine (Sartorius BP 210S , Germany)

Papain buffer

■ Sodium phosphate monobasic	0.69	gm
■ N-acetyl cysteine	0.0326	gm
■ EDTA tetrasodium salt	0.076	gm
■ DW to	100	ml

Formate buffer

■ Formic acid	1.54	ml
■ 5N NaOH	2.94	ml
■ DW to	500	ml

ประวัติผู้เขียนวิทยานิพนธ์

นายปิยะ ทานประเสริฐ เกิดเมื่อวันที่ 23 ตุลาคม พ.ศ. 2522 สำเร็จการศึกษาระดับชั้นมัธยมศึกษาปีที่ 6 จากโรงเรียนสามเสนวิทยาลัย จังหวัดกรุงเทพฯ เข้าศึกษาในระดับอุดมศึกษาที่คณะสัตวแพทยศาสตร์ มหาวิทยาลัยเทคโนโลยีมหานคร ปีการศึกษา 2541 สำเร็จการศึกษาระดับปริญญาตรีสัตวแพทยศาสตร์บัณฑิต เมื่อปีการศึกษา 2546 และเข้าศึกษาต่อในระดับมหาบัณฑิตหลักสูตรเภสัชวิทยาทางสัตวแพทย์ คณะสัตวแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย ในปีการศึกษา 2547 ถึง 2549