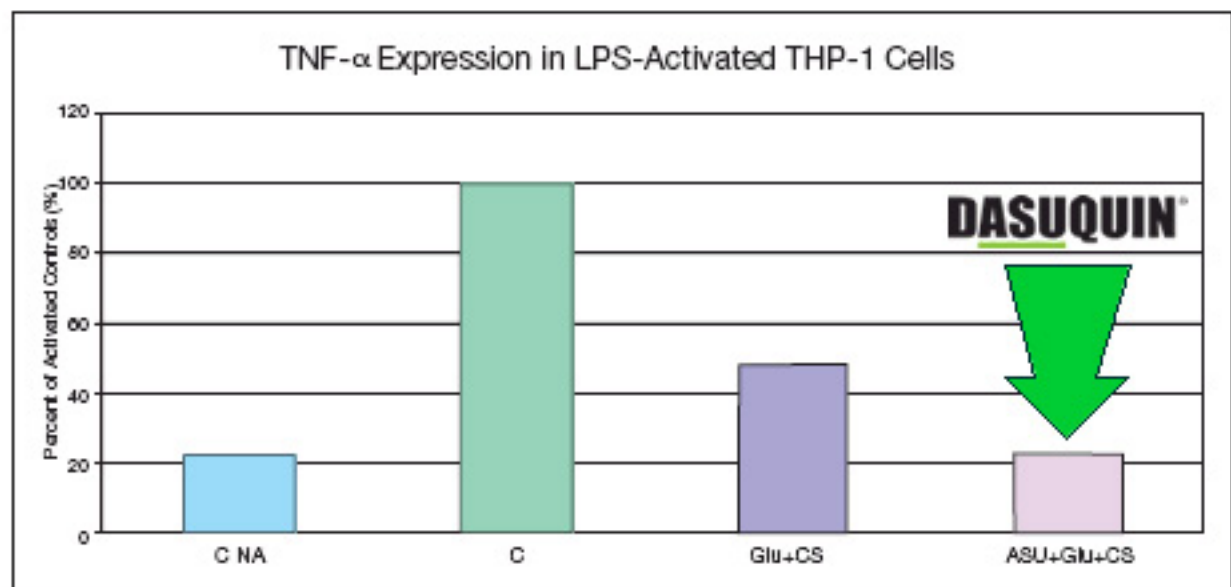


## Dasuquin® Joint Health Supplement is a multi-synergistic formula:

- ✓ ASU + glucosamine
- ✓ Chondroitin sulfate + glucosamine
- ✓ ASU + chondroitin sulfate
- ✓ ASU + glucosamine + chondroitin sulfate

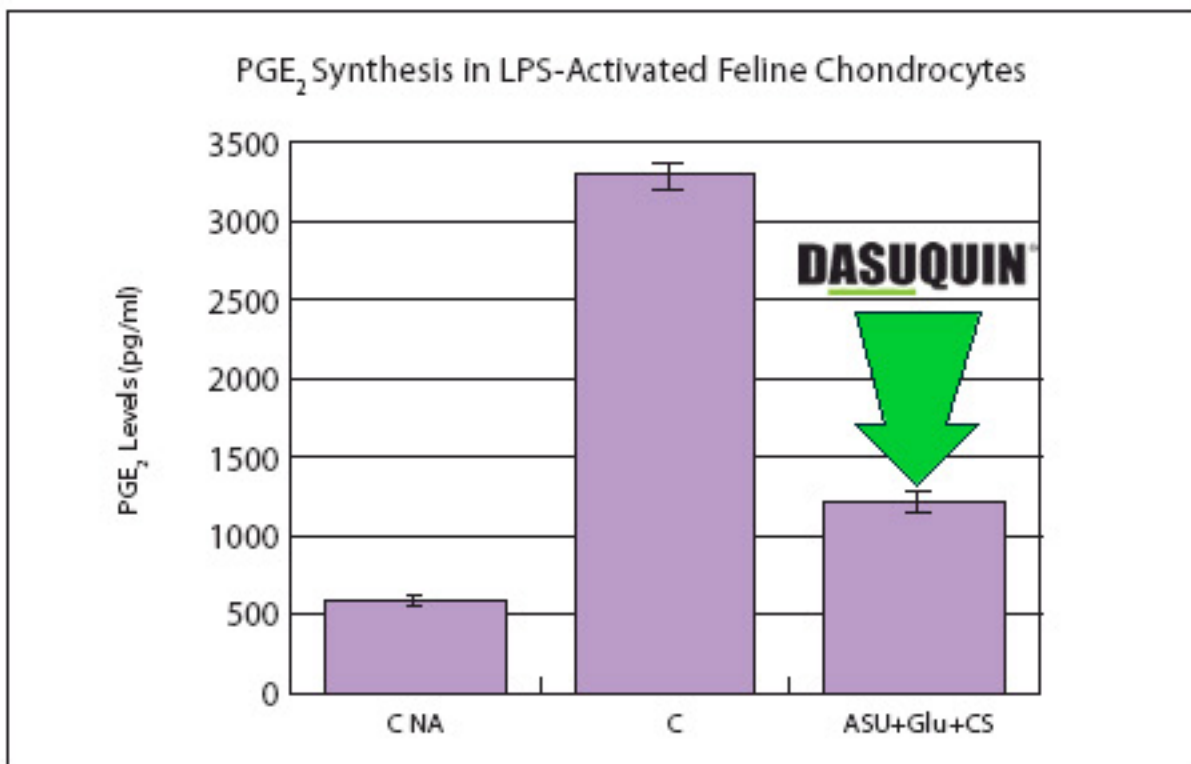
ASU plus glucosamine hydrochloride and chondroitin sulfate has been shown more effective in vitro than the combination of glucosamine hydrochloride and chondroitin sulfate alone at decreasing expression of several mediators. (See graph below)



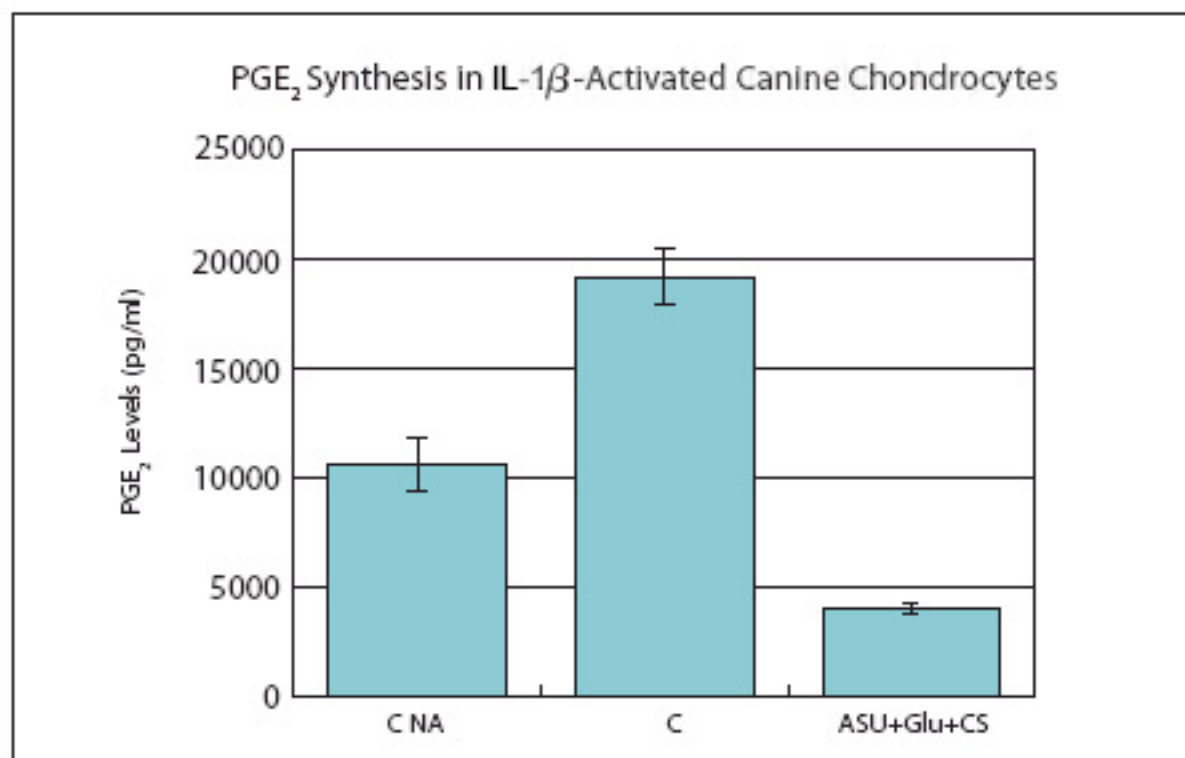
The combination of NMX 1000® avocado/soybean unsaponifiables, FCHG49® glucosamine hydrochloride, and TRH122® chondroitin sulfate (ASU+Glu+CS) reduced the level of TNF- $\alpha$  expression to a level comparable to that of the non-activated control (C NA) and was superior to the combination of glucosamine hydrochloride and chondroitin sulfate alone (Glu+CS). C=control cells activated by lipopolysaccharide (LPS).

# COMBINATION BENEFITS

In feline and canine chondrocytes, the combination of NMX1000® avocado/soybean unsaponifiables, FCHG49® glucosamine hydrochloride, and TRH122® chondroitin sulfate decreased PGE<sub>2</sub> production compared to activated control. (See graphs below)



C NA=non-activated control. C=control cells activated by lipopolysaccharide (LPS). ASU=NMX1000® avocado/soybean unsaponifiables. Glu=FCHG49® glucosamine hydrochloride. CS=TRH122® chondroitin sulfate.



C NA=non-activated control. C=control cells activated by Interleukin-1 $\beta$  (IL-1 $\beta$ ). ASU=NMX1000® avocado/soybean unsaponifiables. Glu=FCHG49® glucosamine hydrochloride. CS=TRH122® chondroitin sulfate.