

CELL APPLICATIONS, INC.

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Description

Canine Aortic Endothelial Cells (CnAOEC) from Cell Applications, Inc. provide a useful model to study cardiovascular diseases and test potential therapeutic agents, not only important from a veterinary perspective, but also having implications for human health.

CnAOEC have been used in numerous research publications, for instance to:

- Adapt an immunomagnetic isolation protocol used in human patients to isolate circulating endothelial cells in dogs
- Investigate the mechanism of N-terminal portion of pro C-type natriuretic peptide (NT-pCNP), a sepsis biomarker in humans and dogs
- Demonstrate vasoprotective activity of pomegranate and soy isoflavons in order to prevent cardiovascular disease-related endothelial dysfunction in dogs
- Compare growth of normal canine endothelial cells and aggressive canine hemangiosarcoma cells in a study investigating signaling pathways underlying hemangiosarcoma oncogenesis
- Understand reasons for reduced numbers of circulating progenitor cells in cardiovascular disease



^[1]
(Click to Enlarge) **Canine Aortic Endothelial Cells:** CnAOEC

Details

Tissue	Normal healthy Canine aorta
QC	No bacteria, yeast, fungi, mycoplasma
Character	Dil-Ac-LDL uptake: Positive
Bioassay	Attach, spread, proliferate in Growth Med
Cryovial	500,000 cells (2nd passage) frozen in Basal Medium w/ 10% FBS, 10% DMSO
Kit	Cryovial frozen CnAOEC (Cn304-05), Growth Medium (Cn211-500), Subculture Rgnt Kit (090K), Attchmnt Fctr Soln (123-100)
Proliferating	Shipped in Gr Med, 3rd psg (flasks or plates)
Doublings	At least 16
Applications	Laboratory research use only (RUO). Not for human, clinical, diagnostic or veterinary use.

Instructions CnAOEC

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