



Canine Cell Lines

Technology No. 20110168



These canine cell lines can be used in many areas of cancer study, below are some of the areas:

- Therapeutic development for cancer
- Cancer mechanism studies
- Tumor ontology
- Cancer surrogates for the human condition

If you are interested in licensing the canine cell line(s), please fill out and submit the [Canine Cell Line Licensing Request Form](#).

Upon submission, a Licensing Officer from the University of Minnesota Technology Commercialization office will contact you with proposed licensing terms. Once you've executed a license, you will be directed to [Kerafast](#) to purchase the cell line(s).

Canine Melanoma Cell Lines and Tissue Samples

Collection of canine melanoma cell lines for research purposes. Melanoma is the most dangerous type of skin cancer, and is the leading cause of death from skin disease. Melanoma is not the most common form of skin cancer, but rates are steadily increasing. (PubMed ID# 9539362)



EMN006-FP	Canine Melanoma Cell Line (CMGD-2)
EMN007-FP	Canine Melanoma Cell Line (CMGD-5)
EMN005-FP	Canine Melanoma Cell Line (TLM-1)

Canine Hemangiosarcoma Cell Lines and Tissue Samples

Collection of canine hemangioma cell lines for research purposes. Hemangiosarcoma is a rapidly growing and very invasive form of cancer found in the lining of blood vessels. The most dangerous effect of this type of sarcoma is the rupturing of a vessel, causing the patient to bleed to death.

EMN009-FP	Canine Hemangiosarcoma Cell Line (DD-1)
EMN010-FP	Canine Hemangiosarcoma Cell Line (EFB)
EMN011-FP	Canine Hemangiosarcoma Cell Line (EFS)
EMN013-FP	Canine Hemangiosarcoma Cell Line (JHE)
EMN016-FP	Canine Hemangiosarcoma Cell Line (Grace-HSA)
EMN018-FP	Canine Hemangiosarcoma Cell Line (DAL-4)

EMN017-FP	Canine Hemangiosarcoma Cell Line (DHSA-1426)
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Canine Osteosarcoma Cell Lines and Tissue Samples

Collection of canine osteosarcoma cell lines for research purposes. Osteosarcoma is a malignant bone tumor that usually develops during the phase of rapid growth that occurs during adolescence. The cause of osteosarcoma is not yet known, but there is evidence showing that it may be genetically based. (PubMed ID# 21621658)

EMN001-FP	Canine Osteosarcoma Cell Line (OSCA-8)
EMN002-FP	Canine Osteosarcoma Cell Line (OSCA-32)
EMN003-FP	Canine Osteosarcoma Cell Line (OSCA-40)
EMN004-FP	Canine Osteosarcoma Cell Line (OSCA-78)
EMN014-FP	Canine Osteosarcoma Cell Line (OSCA-29)
EMN015-FP	Canine Osteosarcoma Cell Line (OSCA-71)

Researchers

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[External Link](http://www.vetmed.umn.edu) (www.vetmed.umn.edu)

Publications

[*Molecular subtypes of osteosarcoma identified by reducing tumor heterogeneity through an interspecies comparative approach.*](#)

Bone, 2011 Sep;49(3):356-67

<https://license.umn.edu/product/canine-cell-lines-melanoma-hemangiosarcoma-and-osteosarcoma>