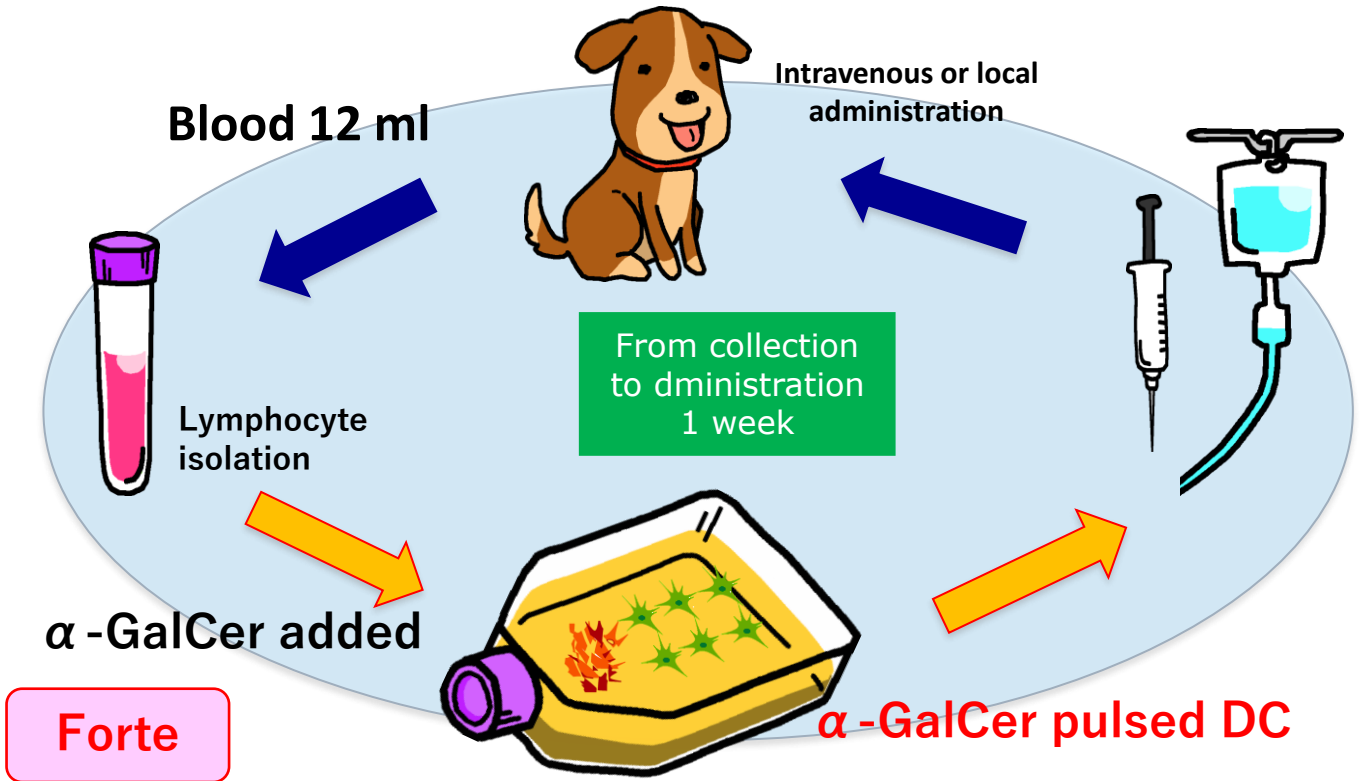
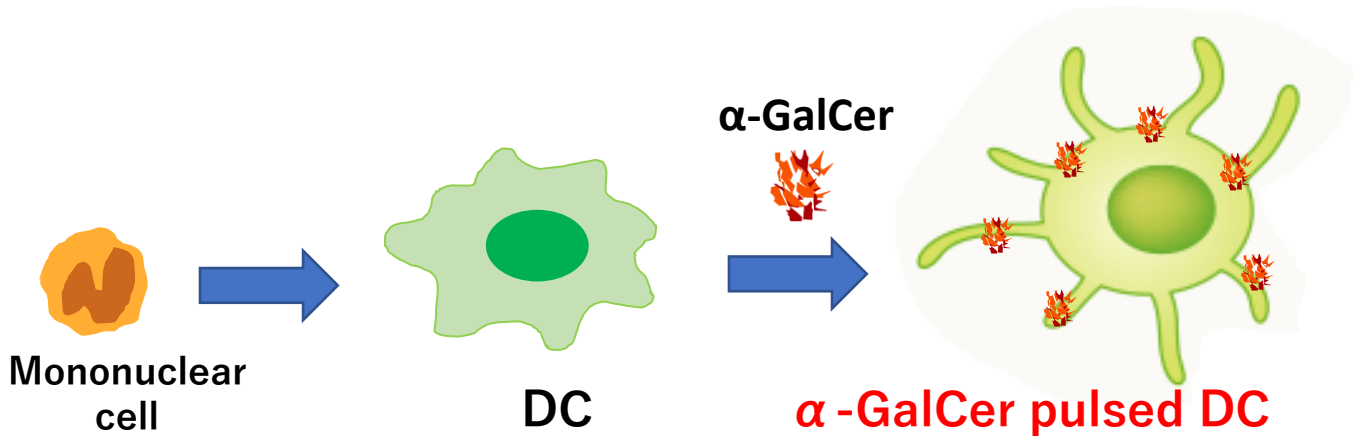


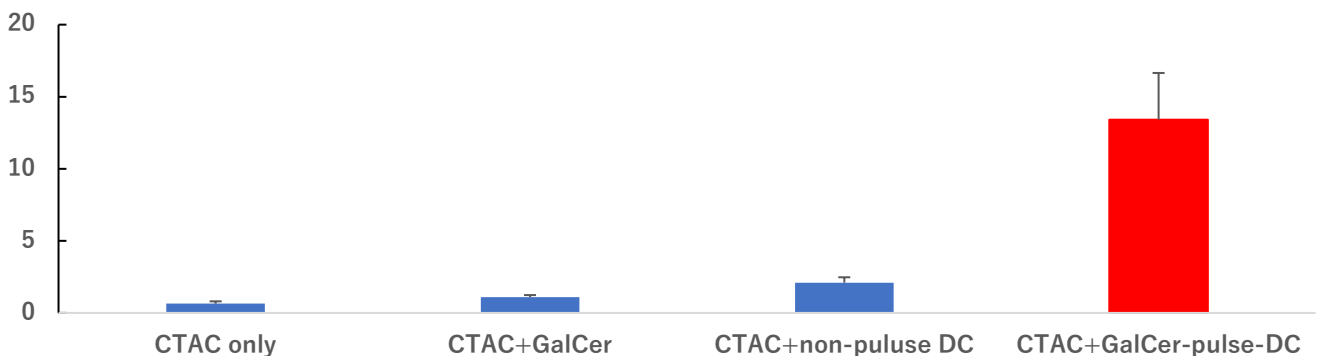
Culture kit for alpha DC



The alpha DC Culture Kit differentiates and induces mononuclear cells isolated from blood into dendritic cells, which are then stimulated by alpha-GalCer, an immunostimulant, to culture them into alpha-GalCer-pulsed dendritic cells that kill cancer cells in a short time.



Apoptosis induction ability (%) to cancer cells (CTAC) by alpha-GalCer pulsed DC



Composition

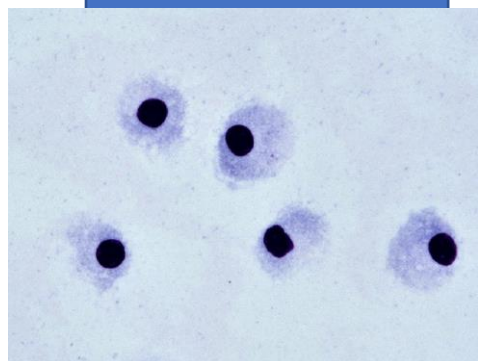
This all-in-one culture kit includes everything necessary for a single treatment from culture to administration, including culture bag, culture medium, and pipettes.



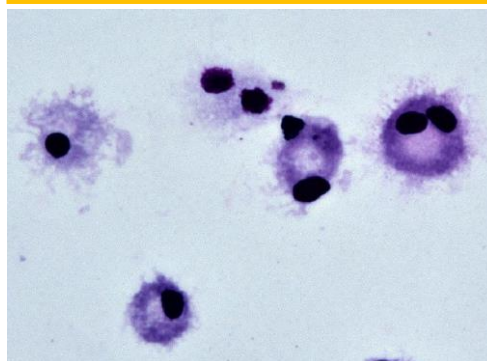
Application Examples

Using a canine alphaDC culture kit, mononuclear cells were isolated from canine peripheral blood and cultured for 1 week to collect dendritic cells. Cell morphology was observed and their ability to induce apoptosis in cancer cells was examined.

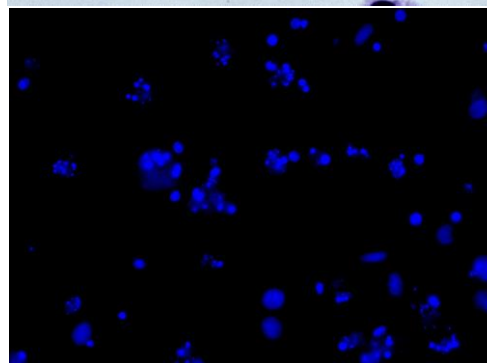
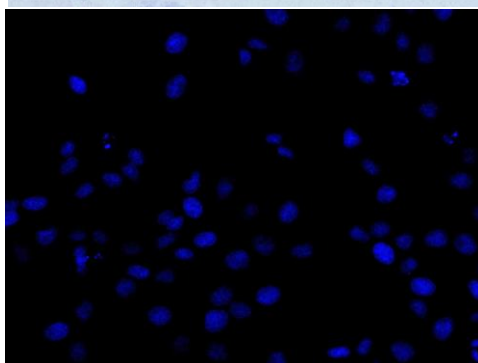
Unpulsed DC



α GalCer pulsed DC



Mature dendritic cells with dendrites and two nuclei are identified.



Confirmation of apoptosis of cancer cells

Comparison of 3 recommended DC kits

	DC Culture Kit	DC10 Culture Kit	Canine alpha DC Culture Kit
Adaptation	Dot, Cat	Dog	Dog
Blood volume and culture requirements	Blood 18ml 2 weeks culture Need to change medium	Blood 6ml 1 week culture No need to change medium	Blood 12ml 1 week culture No need to change medium
cancer sensitization	Required (1 week additional culture)	Required (1 week additional culture)	Not required

Presentation

Ito Y (J-ARM Inc), On Cell Culture (Culture Techniques for Activated Lymphocytes and Dendritic Cells), The 160th Annual Meeting of the Japanese Veterinary Medical Association 2017.