

Supplementary Material

Table S1. Serum clinical chemistry of the study dogs.

Day ^a	Dog 1		Dog 2					Ref.	
	0	1	0	7	14	21	28	Value	Unit
ALP	111	373	63	89	83	83	92	33-215	u/l
ALT	43	53	64	47	43	30	30	18-77	u/l
Albumin	31.5	30.2	29.7	28	29.1	28.9	26.2	30-41	g/l
Bilirubin total	1.4	1.4	2	2.8	2.7	3.7	2.9	2.5-8.5	µmol/l
Phosphate	1.41	1.12	0.97	1.06	1.16	1.21	1.21	0.93-2.25	mmol/l
Glucose	5.4	4.8	4.3	4.7	4.3	4.6	4.7	4.0-6.4	mmol/l
Potassium	4.5	4.9	4.8	4.8	5	5.4	5.5	4.2-5.4	mmol/l
Sodium	151	152	147	148	148	147	144	147-157	mmol/l
Calcium	2.49	2.47	2.56	2.56	2.73	2.73	2.67	2.3-3.0	mmol/l
Cholesterol	2.6	3.1	3.2	3.6	3.2	3.1	3.3	3.7-9.8	mmol/l
Creatinine	72	74	59	63	65	59	66	57-116	µmol/l
Protein	56	56	60	60	64	69	70	58-77	g/l
Urea	6.2	4.6	3.4	2.8	3.7	4.1	3.3	2.4-8.8	mmol/l

^aFrom the 1st virus infusion, Day 0 is baseline before virus infusion

ALT, alanine aminotransferase

ALP, alkaline phosphatase

Table S2. Administration schedule of oncolytic vaccinia virus, vvdd-hCD40L-tdTomato, in the study dogs.

Dog number	Dose number	Dose (TCID₅₀^a/kg)	Weigh (kg)	Total Dose (TCID₅₀)	Administration schedule	Endpoint/Euthanasia
1	1	1.2 x 10 ⁸	12.8	4 x 10 ⁹	Single infusion	24 h after virus infusion
2	1	1.2 x 10 ⁸	14.0	1.7 x 10 ⁹	Infusions given once	1 wk after 4 th
	2-4	0.8 x 10 ⁸		1.1 x 10 ⁹	per week for 4 times	virus infusion

^aTCID₅₀ = the amount of virus required to kill 50% of infected cells