



Companion Animal Vaccines and
Immuno-Diagnostic Service Laboratory
CAVIDS - Titer Testing Lab
University of Wisconsin-Madison School of Veterinary Medicine
2015 Linden Drive West
Madison, WI 53706
(608) 263-4648

27 April 2020

Dam Nomograph Follow-Up – Puppy Titers

Owner name: ●●●●●●●●●●

Puppy name: “Sirena”

Age: 17 weeks

Dam name: Aris Woller

**Puppy Titer Score
After Vaccines**
**Mom's Titer Score
Before Delivery**

Animal ID	CPV HI assay titer	CDV SN assay titer
Sirena	10240	256
Aris (dam)	640	16
Puppy protected?	yes	yes
Next Action?	DAP vax/or titer @ 1 year of age	DAP vax/or titer @ 1 year of age

Canine Distemper Virus (CDV) antibody titer was determined by the serum neutralization (SN) test.

Canine Parvovirus Type 2 (CPV-2) antibody titer was determined by the hemagglutination inhibition (HI) test.

The chart below shows the nomograph for this pup’s dam with the pup titers superimposed. A nomograph is the degradation profile of maternal antibody against distemper and parvovirus that this dam could have passed to her litter, and is based on her quantitative titer with the conservative assumption of 100% transfer rate at birth. Standard variation within the assay and between pups in a litter is also included. Pup vaccination history as provided on submission form is shown at the bottom, in orange. **Unprotected** pups should be vaccinated as soon as possible, with recheck 2 weeks later. **Once protection is proven**, pups should be given a combo vaccine containing adenovirus (DAP) again at one year of age. Alternatively, antibody test pup at one year of age. See our website for references about nomograph analysis.

**Mom's
Titer Scores
and
Immunity**

Dam Name	Aris Woller										Puppy	Sirena Diem			
Sample drawn	15-Nov-19										age	17 Weeks			
CDV Titer	16										CDV Titer	256			
CPV-2 Titer	640										CPV-2 Titer	10240			
Maternal Antibody Degradation, with standard variation													Sirena		
Distemper	8	4	2	1	1	0	0	0	0	0	256				
	16	8	4	2	1	1	0	0	0	0					
	32	16	8	4	2	1	1	0	0	0					
Parvo	320	160	80	40	20	10	5	3	1	1	10240				
	640	320	160	80	40	20	10	5	3	1					
	1280	640	320	160	80	40	20	10	5	3					
Vaccination													7 wks	14.5 wks	test
0 days	12	24	36	48	60	72	84	96	108	120	132				
0 weeks	2	3	5	7	9	10	12	14	15	17	19				
Birth															



Companion Animal Vaccines
And Immuno-Diagnostic
Service Laboratory – CAVIDS
University of Wisconsin-Madison
School of Veterinary Medicine

Puppy Age in Weeks

Laurie Larson, DVM, Director, CAVIDS Laboratory

www.vetmed.wisc.edu/lab/CAVIDS