

SNAP 4Dx Plus Test

Test accuracy

The SNAP® 4Dx® Plus Test uses highly purified reagents on the ELISA platform.

The SNAP Test's peptide-based technology enables the evaluation of highly specific antibodies for *Anaplasma spp.*, *Ehrlichia spp.*, and C6 antibodies from *B. burgdorferi*, which helps reduce the likelihood of false positives. This test is also highly accurate for detecting the *D. immitis* antigen.

Analyte	Reference standard	IDEXX 4Dx Plus Test result		Total	Sensitivity (95% CL)
		+	–		Specificity (95% CL)
<i>Dirofilaria immitis</i> ^a	+	48	1	49	98.0% (89.1%–99.9%)
	–	0	461	461	100.0% (99.2%–100%)
<i>Anaplasma spp.</i> ^b	+	80	5	85	94.1% (86.8%–98.1%)
	–	7	418	425	98.4% (96.6%–99.3%)
<i>Ehrlichia spp.</i> ^c	+	99	7	106	93.4% (86.9%–97.3%)
	–	13	391	404	96.8% (94.6%–98.3%)
<i>Borrelia burgdorferi</i> ^d	+	21	1	22	95.5% (77.2%–99.9%)
	–	3	485	488	99.4% (98.2%–99.9%)

Note: Male-only heartworm infections typically produce antigen levels that are below the detection capability of antigen tests.

Reference methods

- a. Necropsy or PetChek® Heartworm ELISA positive and PetChek Heartworm ELISA negative
- b. *A. phagocytophilum* IFA and *Anaplasma* ELISA
- c. *E. canis* IFA and *E. ewingii* ELISA
- d. Lyme immunoblot and C6 ELISA