

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 allows for the evaluation of only highly specific antibodies for *Anaplasma* spp., Lyme disease, and *Ehrlichia* spp., which helps to eliminate false positives.

Analyte	Gold standard	Device result		Total	Sensitivity (95% CL)
		+	-		Specificity (95% CL)
Heartworm ^{1,2}	+	95	1	96	99.0% (94.3%–99.9%)
	-	2	269	271	99.3% (97.4%–99.9%)
<i>Anaplasma</i> ³	+	214	23	237	90.3% (85.8%–93.7%)
	-	15	246	261	94.3% (90.7%–96.7%)
<i>Ehrlichia</i> ⁴	+	231	7	238	97.1% (94.0%–98.8%)
	-	18	366	384	95.3% (92.7%–97.2%)
<i>B. burgdorferi</i> ⁵	+	112	7	119	94.1% (88.3%–97.6%)
	-	9	229	238	96.2% (92.9%–98.3%)

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

Gold Standards:

1. Heartworm positives: Necropsy
2. Heartworm negatives: PetChek® Heartworm PF Antigen Test (5018.02)
3. *Anaplasma*: IFA
4. *Ehrlichia*: *E. canis* IFA; *E. ewingii* ELISA
5. *B. burgdorferi*: IFA