

# 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.*, *Ehrlichia spp.*, and C6 antibodies from *B. burgdorferi*, which helps reduce the likelihood of false positives. This test is also highly accurate for detection of *D. immitis* antigen.

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

**Table 1.** Improved IDEXX 4Dx® Plus Test versus reference methods<sup>9</sup>

### 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