

BIONOTE

RAPID TEST FOR VECTOR-BORNE DISEASES

Comparison between CaniV-4 and SNAP 4Dx

• Canine Heartworm Ag

A study done by Universita Degli studi Di padova 2012

		CHW Ag 2.0		Total
		Negative	Positive	
SNAP HTWM	Negative	109	0	109
	Positive	1	28	29
	Total	110	28	138

$k=0.978$ corresponding to a very good agreement

Detection limit

Detection limit of CHW is 12.2 ng while that of SNAP 4Dx is 48.4 ng

Concentration	Anigen	IDEXX
97.5 ng	Positive	Positive
48.8 ng	Positive	Positive
24.4 ng	Positive	Negative
12.2 ng	Positive	Negative
6.1 ng	Negative	Negative
3.1 ng	Negative	Negative

* Reference: A study done by BioNote Laboratory



• Ehrlichia canis Ab

Sensitivity: 91%, Specificity: 100%

A study done by Universidad Complutense de Madrid 2013

		BIONOTE		Total
		Positive	Negative Test	
IFI Positive		"T" band barely visible : 2		35
		Weak "T" band : 5		
		Intense "T" band : 25		
IFI Negative	15	0	15	15
Total		32	18	50

		IFA			Diagnostic Sensitivity	Diagnostic Specificity
		+	-	Total		
BIONOTE Rapid E.canis Test Kit	+	110	0	109	98.2%	100%
	-	2	296	299		
	Total	112	296	408		
SNAP 3Dx	+	105	0	105	93.8%	98.2%
	-	7	296	303		
	Total	112	296	408		

* Reference: A study done by BioNote Laboratory

• Anaplasma Ab

Sensitivity: 96.1%, Specificity: 99.3%

Sample : Canine sera		IFA		Total
		Positive	Negative	
BIONOTE Kit	Positive	25	2	27
	Negative	1	317	318
	Total	26	319	345
Concordance rate			99.1% (342/345)	

* Reference: A study done by BioNote Laboratory

• Lyme Ab

CaniV-4 and SNAP 3Dx showed **HIGH CORRELATION COEFFICIENTS** for dog blood samples infected with Lyme disease.

		SNAP 3Dx Kit		
		Positive	Negative	Total
BIONOTE Rapid Lyme Ab Test kit	Positive	106	5	111
	Negative	8	246	254
	Total	114	251	365

* Reference: A study done by BioNote Laboratory